

Angletech

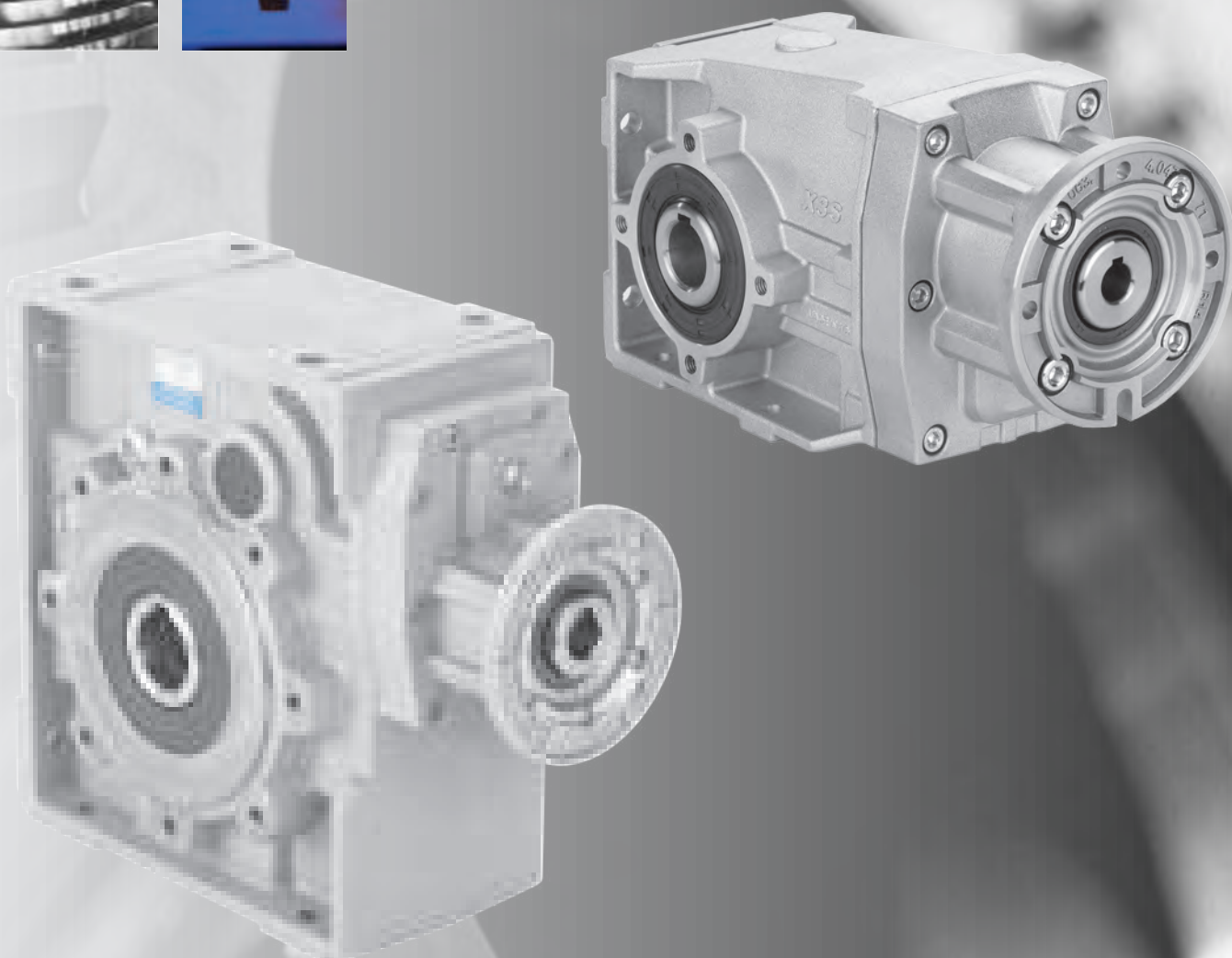
Gears

Cat.: CT-BVM-X-HM012

Helical-bevel gearboxes

Riduttori ortogonali
0.06 ÷ 9kW

**Hypoid and grounded helical gears.
Recover energy, with an high
efficiency drive**



Made in Italy



HYDRO • MEC

Aluminum and cast iron helical bevel gearbox

A modular and compact product
Very energy efficient drive

Removable inspection cover

Allows periodic inspection of gearing during routine maintenance

Gears

Hardened and ground gears

Alloy housing

Is vacuum impregnated (MIL-STD 276) for protection and sealing. No secondary finish required but readily accepts paint.

Oil seals

Two oil seals on request

Single-piece aluminum

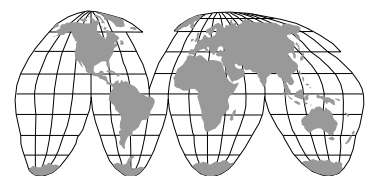
Combines light weight with high tensile strength. Precision machined for alignment of bearings and gearing

Flange

Fully modular to IEC and Compact integrated motor. NEMA C flange

Cast Iron housing

With high tensile strength. Precision machined for alignment of bearings and gearing



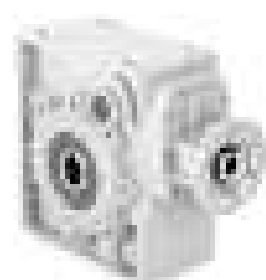
World wide sales network.

Specific type datasheet on page...



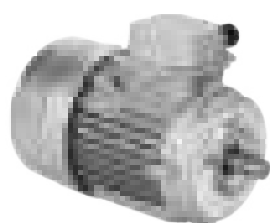
Types / Tipi /
Arten / Tipos →

On page / A pagina / Auf Seite / En la página								
1-5	1-7	1-9	1-11	1-13	1-15	1-17	1-19	1-21
X22S 50Nm	X32S 90Nm	X33S 100Nm	X42A 150Nm	X43A 160Nm	X52A 250Nm	X53A 250Nm	X62A 410Nm	X63A 410Nm



Types / Tipi /
Arten / Tipos →

On page / A pagina / Auf Seite / En la página			
1-23	1-25	1-27	1-29
113C 600Nm	114C 600Nm	133C 900Nm	134C 900Nm



Types / Tipi /
Arten / Tipos →

On page / A pagina / Auf Seite / En la página									
M-1									
56A 56B	63A 63B	71A 71B	80A 80B	90S 90L	100LA 100LB	112M	132S 132M	160M 160L	180M 180L

• Get on our web for the selected type/size the detailed informations

For : / Per : / Für : / Para :

Selection guide - fs
Guida alla selezione

Mounting pos. - Lubrication
Pos. di montaggio - lubrificazione

2 - 6 poles selection
Selezione 2 - 6 poli

Radial - axial loads
Carichi radiali e assiali

Reversibility
Reversibilità

Thermal limit
Limite termico

Atex certification
Certificazione Atex

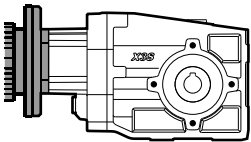
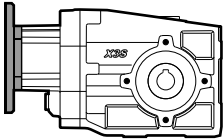
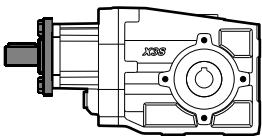
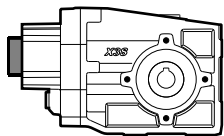
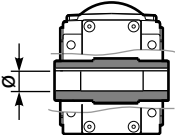
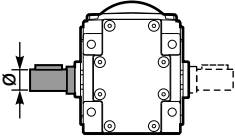
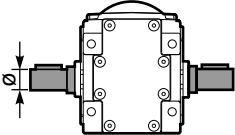
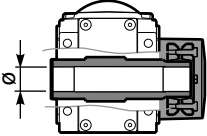
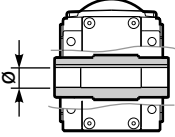
Accessories
Accessori

Download 3D drawings
Download disegni 3D

Interchangeability
Intercambiabilità

Installation and maintenance
Installazione, uso e manutenzione

Spare parts list
Liste parti di ricambio

Type - Tipo - Typ - Tipo	Size - Grandezza Größe - Tamaño	Mounting - Montaggio Montaje - Tipo de montaje	Rapporto - Ratio Untersetzung - Relacion	Output shaft Albero uscita Ausgangsflansch Brida en solida
M	X22S	C	4.83	A
Helical-bevel gear Riduttori ortogonali  With IEC motor M  With motor flange P  With male input shaft R  Modular base B	2 Stages Riduzioni Stufen Etapas 3 Stages Riduzioni Stufen Etapas Aluminum Alluminio Aluminium Aluminio X22S X32S X42A X52A X62A 3 Stages Riduzioni Stufen Etapas 4 Stages Riduzioni Stufen Etapas Cast Iron Ghisa Grauguss Fundición 113C 133C 114C 134C	Hollow output shaft C  Single output shaft A  Double output shaft only for 113/4C and 133/4C B  Shrink Disk (only on the DX side) D  Only on request for Q.ty A richiesta per quantità For 113/4C and 133/4C is not available. Stainless steel hub I  Stainless steel hub Mozzo in acciaio Inox Edelstahlhohlwelle Núcleo corona de acero Inox Only on request for Q.ty A richiesta per quantità	See technical data table Vedi tabelle dati tecnici. Technisches Datenblatt beachten. Ver tabla datos técnicos	STANDARD Hollow output shaft X22S A $\Rightarrow \varnothing 18$ B $\Rightarrow \varnothing 20$ X32S X33S B $\Rightarrow \varnothing 20$ C $\Rightarrow \varnothing 25$ X42A X43A C $\Rightarrow \varnothing 25$ D $\Rightarrow \varnothing 30$ X52A X53A D $\Rightarrow \varnothing 30$ E $\Rightarrow \varnothing 35$ X62A X63A E $\Rightarrow \varnothing 35$ F $\Rightarrow \varnothing 40$ 113C 114C F $\Rightarrow \varnothing 40$ G $\Rightarrow \varnothing 42$ 133C 134C H $\Rightarrow \varnothing 45$ Single and double output shaft I X22S $\Rightarrow \varnothing 20$ L X32/3S $\Rightarrow \varnothing 25$ M X52/3A $\Rightarrow \varnothing 30$ N X62/3A $\Rightarrow \varnothing 35$ O 113/4C $\Rightarrow \varnothing 42$ P 133/4C $\Rightarrow \varnothing 45$ Double output shaft is available only for 113/4C and 133/4C Shrink Disk U X22S $\Rightarrow \varnothing 20$ Q X42/3A $\Rightarrow \varnothing 30$ R X52/3A $\Rightarrow \varnothing 35$ S X62/3A $\Rightarrow \varnothing 40$

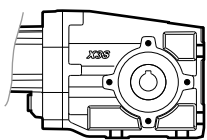
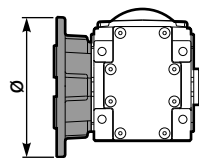
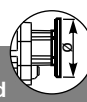
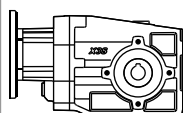
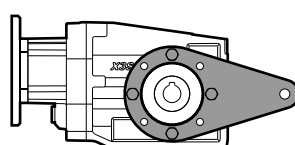
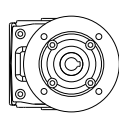
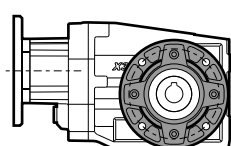
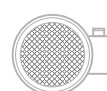
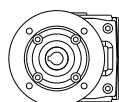
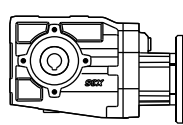
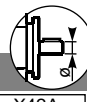
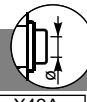
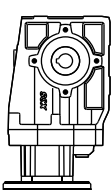
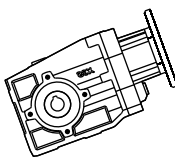


A richiesta
possiamo fornire i
nostri prodotti
secondo le
normative ATEX

On request we
can deliver our
products
according to the
ATEX

Auf Anfrage können
wir unsere Produkte
den Richtlinien
ATEX entsprechend
liefern

A pedido, se pueden
enviar nuestros
productos de acuerdo
con las normas ATEX.

Type - Tipo Typ - Tipo	Output flange Flangia di uscita Ausgangs Flansch Brida en salida	Motor size Grandezza motore Motor Grösse Tamaño motor	Terminal box position Posizione morsettieria Klemmkastenlage Posición caja de bornes	Mounting position Posizione montaggio Einbaulage Position de montage																	
BR	N	O	B	B3																	
																					
FB Forma base Universal	N Senza flangia Without flange	Standard motor flange Flangia motore standard	A	B3/B5 STANDARD																	
	X22S	<table><tr><th>B5</th><th>B14</th></tr><tr><td>A=56 (ø120)</td><td>O=56 (ø80)</td></tr><tr><td>B=63 (ø140)</td><td>P=63 (ø90)</td></tr><tr><td>C=71 (ø160)</td><td>Q=71 (ø105)</td></tr><tr><td>D=80 (ø200)</td><td>R=80 (ø120)</td></tr><tr><td>E=90 (ø200)</td><td>T=90 (ø140)</td></tr><tr><td>F=100+112 (ø250)</td><td>U=100+112 (ø160)</td></tr><tr><td></td><td>V=132 (ø200)</td></tr></table>	B5	B14	A =56 (ø120)	O =56 (ø80)	B =63 (ø140)	P =63 (ø90)	C =71 (ø160)	Q =71 (ø105)	D =80 (ø200)	R =80 (ø120)	E =90 (ø200)	T =90 (ø140)	F =100+112 (ø250)	U =100+112 (ø160)		V =132 (ø200)			
B5	B14																				
A =56 (ø120)	O =56 (ø80)																				
B =63 (ø140)	P =63 (ø90)																				
C =71 (ø160)	Q =71 (ø105)																				
D =80 (ø200)	R =80 (ø120)																				
E =90 (ø200)	T =90 (ø140)																				
F =100+112 (ø250)	U =100+112 (ø160)																				
	V =132 (ø200)																				
BR Braccio d reazione Reaction arm	X32S X33S		B STANDARD	B6																	
	X42-3A X52-3A X62-3A																				
- F Flangia uscita output flange	1 ⇒ ø120 2 ⇒ ø160		C	B7																	
	2 ⇒ ø160 3 ⇒ ø200 4 ⇒ ø250																				
	113C 114C	Input shaft type R / Tipo R 	D	B8																	
	C ⇒ ø280 L ⇒ ø280	<table><tr><th>X22S X33S X43A</th><th>X32S X42A X53A X63A 114C 134C</th></tr><tr><td>1 ⇒ ø14</td><td>2 ⇒ ø19</td></tr><tr><td>X52A X62A 113C 133C</td><td></td></tr><tr><td>3 ⇒ ø24</td><td></td></tr></table>	X22S X33S X43A	X32S X42A X53A X63A 114C 134C	1 ⇒ ø14	2 ⇒ ø19	X52A X62A 113C 133C		3 ⇒ ø24				V5								
X22S X33S X43A	X32S X42A X53A X63A 114C 134C																				
1 ⇒ ø14	2 ⇒ ø19																				
X52A X62A 113C 133C																					
3 ⇒ ø24																					
	133C 134C	Input model base bore Foro entrata standard 																			
	C ⇒ ø320	<table><tr><th>X22S X33S X43A</th><th>X32S X42A X53A X63A 114C 134C</th></tr><tr><td>Z ⇒ ø9 (56B5)</td><td>1 ⇒ ø14 (71B5)</td></tr><tr><td>0 ⇒ ø11 (63B5)</td><td>2 ⇒ ø19 (80B5)</td></tr><tr><td>1 ⇒ ø14 (71B5)</td><td>3 ⇒ ø24 (90B5)</td></tr><tr><td>X52A X62A 113C 133C</td><td></td></tr><tr><td>2 ⇒ ø19 (80B5)</td><td></td></tr><tr><td>3 ⇒ ø24 (90B5)</td><td></td></tr><tr><td>4 ⇒ ø28 (100B5)</td><td></td></tr></table>	X22S X33S X43A	X32S X42A X53A X63A 114C 134C	Z ⇒ ø9 (56B5)	1 ⇒ ø14 (71B5)	0 ⇒ ø11 (63B5)	2 ⇒ ø19 (80B5)	1 ⇒ ø14 (71B5)	3 ⇒ ø24 (90B5)	X52A X62A 113C 133C		2 ⇒ ø19 (80B5)		3 ⇒ ø24 (90B5)		4 ⇒ ø28 (100B5)		STANDARD		V6
X22S X33S X43A	X32S X42A X53A X63A 114C 134C																				
Z ⇒ ø9 (56B5)	1 ⇒ ø14 (71B5)																				
0 ⇒ ø11 (63B5)	2 ⇒ ø19 (80B5)																				
1 ⇒ ø14 (71B5)	3 ⇒ ø24 (90B5)																				
X52A X62A 113C 133C																					
2 ⇒ ø19 (80B5)																					
3 ⇒ ø24 (90B5)																					
4 ⇒ ø28 (100B5)																					
																					
				V8																	
				Specify only for vertical positions Specificare solo per posizione verticale																	

POTENZA RICHIESTA / REQUIRED POWER / ERFORDERLICHE LEISTUNG / POTENCIA NECESARIA

Lifting / sollevamento / hubantriebe / elevación

$$P [KW] = \frac{M [Kg] \cdot g [9.81] \cdot v [m / s]}{1000}$$

Rotation / rotazione / drehung / rotation

$$P [KW] = \frac{M [Nm] \cdot n [rpm]}{9550}$$

Linear movement / traslazione / linearbewegung / translacion

$$P [KW] = \frac{F [N] \cdot v [m / s]}{1000}$$

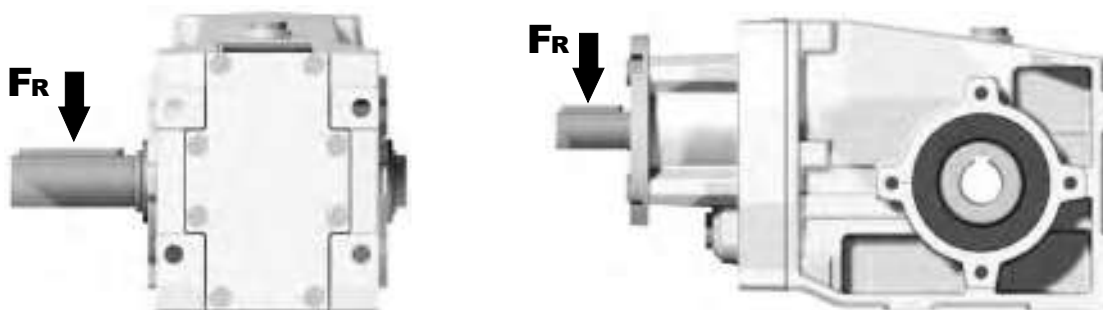
TORQUE / COPPIA / DREHMOMENT / PAR

$$M [Nm] = \frac{9550 \cdot P[KW]}{n [rpm]}$$

$$M [lb in] = \frac{63030 \cdot P[HP]}{n [rpm]}$$

RADIAL LOADS / CARICHI RADIALI / RADIALE - UND AXIALLASTEN / CARGA RADIAL Y AXIAL

- Radial load generated by external transmissions keyed onto input and/or output shafts.
- Forza radiale generata da organi di trasmissione calettati sugli alberi di ingresso e/o uscita.
- Belastungen der Antriebs- bzw. Abtriebswellen durch von aussen eingebrachte Radiallasten.
- Cargas radiales, generada por transmisiones externas, aplicadas sobre los ejes de entrada y/o salida



$F_R \text{ [N]} = \frac{M \text{ [Nm]} \cdot 2000}{d \text{ [mm]}} \cdot f_k$		$F_R \text{ [N]} = \frac{M \text{ [lb in]} \cdot 8.9}{d \text{ [in]}} \cdot f_k$	
M	Momento torcente / Output torque / Abtriebsdrehmoment / Par torsion		
d	Diametro primitivo / Diam. of driving element / Durchmesser der Abtriebseinheit / Diámetro primitivo		
f _k	Coefficiente di trasformazione / Factor / Faktor / Coefficiente de transmisión 1.15 Ingranaggi / Gearwheels / Zahnrad / Engranaje 1.25 Catena / Chain sprockets / Antriebskette / Cadena 1.75 Cinghia Trapezoidale / Narrow v-belt pulley / Keilriemen / Correa trapezoidal 2.50 Cinghia piatta / Flat-belt pulley / Flachzahnriem. / Correa plana		

- If your application requires higher radial loads, contact our technical office. Higher load may be possible.
- Nel caso la vostra applicazione richieda carichi radiali superiori consultare il nostro ufficio tecnico, valori maggiori possono essere accettati.
- Wenn Ihre Anwendung höhere Radialbelastungen erfordert, so wenden Sie sich bitte an unser technischen Büro.
- En el caso en que una aplicación exija una carga radial superior a la especificada en el catálogo, consultar a nuestra oficinas técnica.

How to select a gearbox / Come selezionare un riduttore
Wie wählt man ein Getriebe / Cómo seleccionar un reductor

B Output speed
Velocità in uscita
Abtriebsdrehzahl
Velocidad de salida

Nominal power
Potenza nominale
Max. mögliche Leistung
Potencia nominal

A Nominal torque
Momento torcente nominale
Nenn Drehmoment
Par de torsión nominal

Flange code
Codice flangia
Flanschttype
Código bridas

Input speed
Velocità in entrata
Eintriebsdrehzahl
Velocidad de entrada

Gear size
Grandezza riduttore
Getriebegröße
Tamaño reductor

Motor power
Potenza motore
Motorleistung
Potencia motor

X22S Angletech Gear
50Nm

Rating - Aluminum
HELICAL-BEVEL GEARBOXES

■ QUICK SELECTION / Selezione veloce The dynamic efficiency is **0.96** for all ratios **input speed (n₁) = 1400 min⁻¹**

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [kW]	Output torque M _{2M} [Nm]	Service factor f.s.	Nominal power P _{1R} [kW]	Nominal torque M _{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft	Output Shaft	Output Shaft
							B	C	O	P	Q			Ratios code
289.7	4.83	0.37	11.7	2.6	0.95	30								
189.2	7.40	0.37	17.9	1.7	0.62	30			C	C		289		-
146.2	9.58	0.37	23.2	1.7	0.64	40			C	C		287		
127.5	10.98	0.37	26.6	1.7	0.63	45			C	C		199		
									C	C		179		

C Ratio
Rapporto
Untersetzung
Relación

Transmitted torque
Momento torcente trasmesso
Mögliche Drehmomente
Par transmitido

Service factor
Fattore di servizio
Betriebsfaktor
Factor de servicio

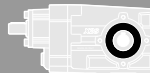
Output shaft diam.
Diam. albero uscita
Durchmesser abtriebswelle
Diámetro eje de salida

Notes
Note
Anmerkungen
Notas

fs		Oper. hours per day Ore di funz. giorn.		
Type of load and starts per hour Tipo di carico e avviamenti per ora		3 h	10 h	24 h
Continuous or intermittent appl. with start / hour Applicazione cont. o interm. con n.ro operazioni/ora	Uniform / Uniforme	0.8	1	1.25
	Moderate / Moderato	1	1.25	1.5
	Heavy / Forte	1.25	1.5	1.75
Intermittent application with start / hour Applicazione intermittente con n.ro operazioni/ora	Uniform / Uniforme	1	1.25	1.5
	Moderate / Moderato	1.25	1.5	1.75
	Heavy / Forte	1.5	1.75	2.15

D	Motor flange available Flange disponibili Erhältliche Motorflansche Bridas disponibles
B)	Mounting with reduction ring Montaggio con boccia di riduzione Reduzierhülsen Montaje con casquillo de reducción
C)	Motor flangeholes position/terminal box position Posizione fori flangia/basetta motore Bohrungsposition am Motorflansch/-sockel Posición agujeros brida / base motor
B)	Available without reduction bushes Disponibile anche senza boccia Auch ohne Reduzierbuchse verfügbar Disponible también sin casquillo

A	Select required torque (according to service factor)	Seleziona la coppia desiderata (comprensiva del fattore di servizio)	Max. Drehmoment in Bezug zum Betriebsfaktor	Seleccionar el par deseado (incluyendo el factor de servicio)
B	Select output speed	Seleziona la velocità in uscita	Ausgewählte Abtriebsdrehzahl	Seleccionar la velocidad de salida
C	On the same line of selected geared motor, you can find the gear ratio	Sulla riga corrispondente alla motorizzazione prescelta si può rilevare il rapporto di riduzione	Auf der gleichen Linie wie die ausgewählte Motorleistung steht auch die Getriebeuntersetzung	En la línea correspondiente al motor preseleccionado es posible encontrar la relación de reducción
D	Select motor flange available (if requested)	Scegli la flangia disponibile (se richiesta)	Erhältliche Motorflansche (auf Anfrage)	Seleccionar la brida disponible (sobre pedido)



▪ **QUICK SELECTION** / Selezione veloce The dynamic efficiency is **0.96** for all ratios **input speed (n_1) = 1400 min⁻¹**

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft 	Ratios code
							B	C	O	P	Q		
							63	71	56	63	71		
289.7	4.83	0.37	12	2.6	0.95	30			C	C		289	01
189.2	7.40	0.37	18	1.7	0.62	30			C	C		287	02
146.2	9.58	0.37	23	1.7	0.64	40			C	C		199	03
127.5	10.98	0.37	27	1.7	0.63	45			C	C		179	04
107.1	13.07	0.37	32	1.4	0.53	45			C	C		159	05
95.5	14.66	0.37	36	1.3	0.47	45			C	C		197	06
88.6	15.79	0.37	38	1.2	0.44	45			C	C		139	07
83.3	16.81	0.37	41	1.1	0.41	45			C	C		177	08
70.0	20.00	0.37	48	1.0	0.37	48			C	C		157	09
63.8	21.93	0.37	53	0.9	0.35	50			C	C		109	10
57.9	24.18	0.25	40	1.3	0.32	50			C	C		137	11
48.2	29.04	0.25	47	1.1	0.26	50			C	C		99	12
41.7	33.57	0.18	42	1.2	0.23	50			C	C		107	13
36.2	38.67	0.18	48	1.0	0.20	50			C	C		79	14
31.5	44.44	0.18	56	0.9	0.17	50			C	C		97	15
23.7	59.18	0.12	48	1.0	0.13	50			C	C		77	16
19.9	70.24	0.09	45	1.1	0.11	50			C	C		67	17

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X22S** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X22S** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X22S** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X22S** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
0.25 LT	0.25 LT	0.25 LT	0.25 LT	0.43 LT	0.31 LT	0.25 LT
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

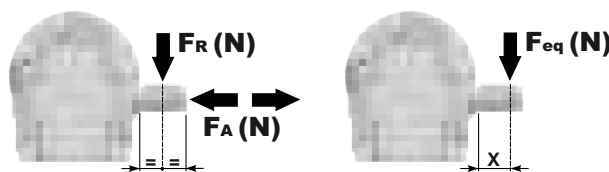
For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

▪ RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{42}{X+23}$$

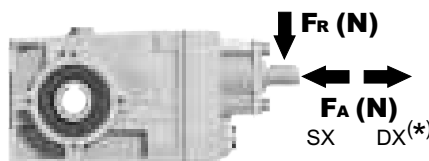


n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
400	360	1800	100	440	2200	25	440	2200
250	380	1900	75	440	2200	15	440	2200
150	420	2100	50	440	2200			

FR On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft

albero in entrata



n_1 [min ⁻¹]	FA	FR
1400	140	700
900	160	800
600	190	950

*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

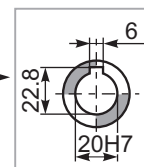
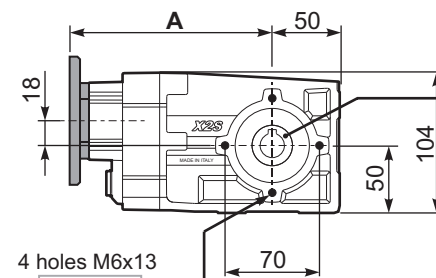
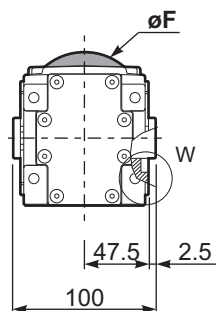
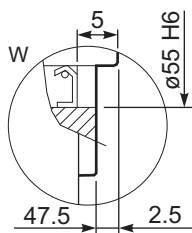
tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PX22S C ...	Basic Gearbox Riduttore base
--------------------	---------------------------------

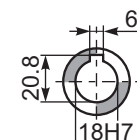
Gearbox weight peso riduttore	3.70 kg
---	----------------

M. flanges	Kit code	ϕF	A
63B5	K050.4.041	138	152.5
71B5	K050.4.042	160	150.5
56B14	KC40.4.049	80	152
63B14	K050.4.047	90	154.5
71B14	K050.4.045	105	152



Standard

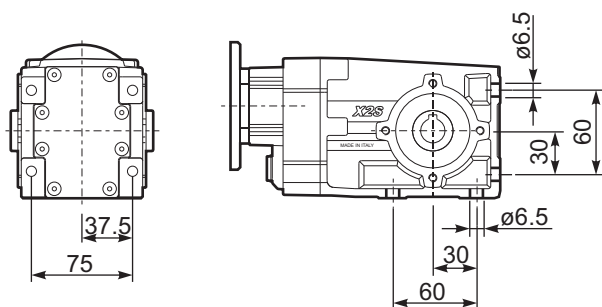
Hollow shaft



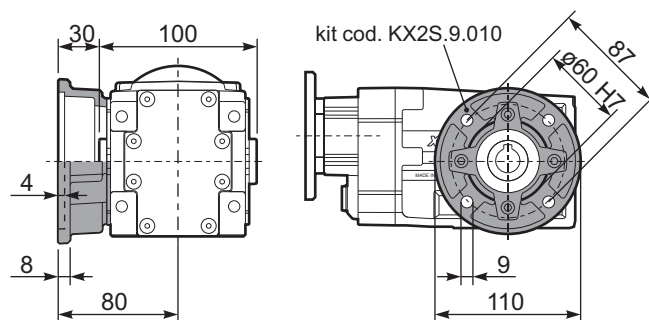
On request
A richiesta

**Mounting holes
position**
Posizione fori
di montaggio

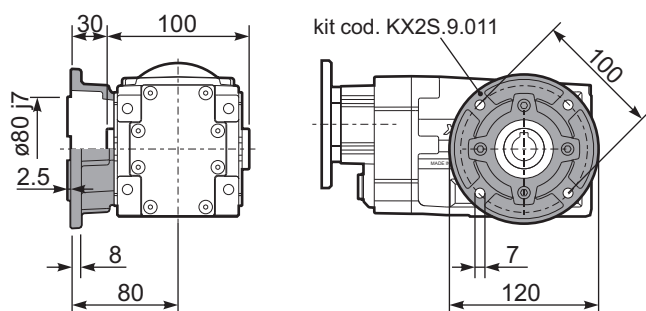
PX22S..-N..	Feet Piedini
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100



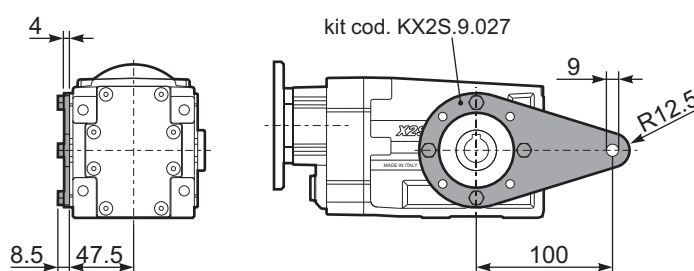
PX22S-F0.. Output flange
Flangia uscita



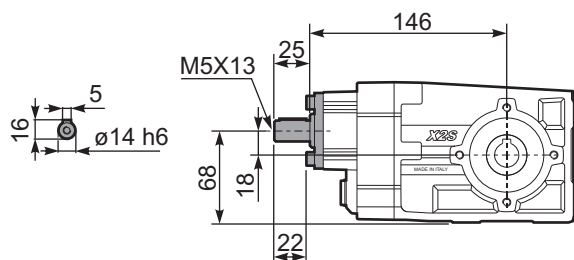
PX22S-F1.. Output flange
Flangia uscita



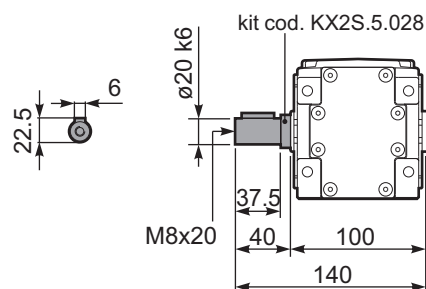
PX22S BR ..	Reaction Arm Braccio di reazione
--------------------	-------------------------------------



R X22S..	Input shaft Albero in entrata
-----------------	----------------------------------



PX22S..**A**.. Single output shaft
Albero semplice in uscita





QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft 	Ratios code
							B	C	D	E	Q	R	T		
190.9	7.33	1.5	72	1.0	1.5	70	B				C	C		289	01
124.7	11.22	1.1	80	1.1	1.2	85	B				C	C		287	02
105.6	13.26	1.1	95	0.9	0.98	85	B				C	C		199	03
91.1	15.37	1.1	110	0.8	0.89	90	B				C	C		179	04
77.6	18.04	0.75	89	1.0	0.76	90	B				C	C		159	05
69.0	20.30	0.75	100	0.9	0.68	90	B				C	C		197	06
65.0	21.54	0.75	106	0.9	0.64	90	B				C	C		139	07
59.5	23.53	0.55	85	1.1	0.58	90	B				C	C		177	08
50.7	27.62	0.55	100	0.9	0.50	90	B				C	C		157	09
47.6	29.40	0.55	106	0.8	0.47	90	B				C	C		109	10
42.5	32.97	0.37	80	1.1	0.42	90	B				C	C		137	11
36.5	38.37	0.37	93	1.0	0.36	90	B				C	C		99	12
31.1	45.00	0.25	74	1.2	0.31	90	B				C	C		107	13
27.6	50.67	0.25	83	1.1	0.27	90	B				C	C		79	14
23.8	58.73	0.18	73	1.2	0.23	90	B				C	C		97	15
18.1	77.55	0.18	97	0.9	0.18	90	B				C	C		77	16

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X32S** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X32S** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X32S** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X32S** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
B3	B6	B7	B8	V5	V6	V8
0.40 LT	0.60 LT	0.40 LT	0.60 LT	0.85 LT	0.60 LT	0.40 LT
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

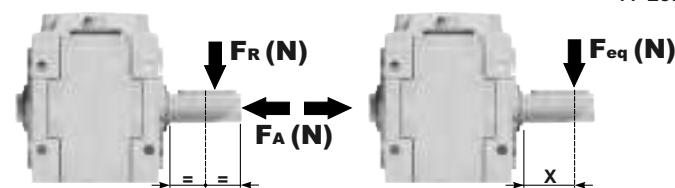
tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{47.5}{X+28.5}$$

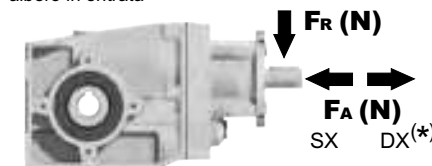


n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
250	400	2000	75	560	2800	15	560	2800
150	450	2250	50	560	2800			
100	500	2500	25	560	2800			

FR On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft

albero in entrata



n_1 [min ⁻¹]	FA	FR
1400	240	1200
900	280	1400
600	340	1700

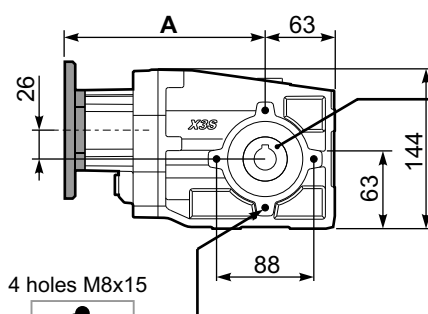
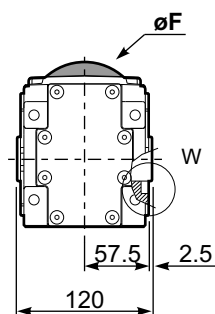
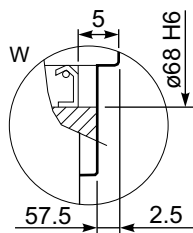
*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

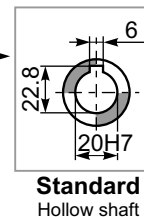
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PX32S.C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore**6.30 kg**

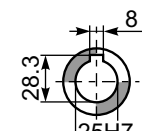
M. flanges	Kit code	øF	A
63B5	K063.4.041	140	184
71B5	K063.4.042	160	182
80/90B5	K063.4.043	200	184
71B14	K063.4.047	105	182
80B14	K063.4.046	120	183
90B14	K063.4.041	140	184



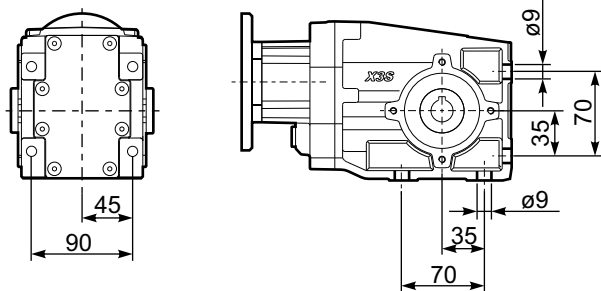
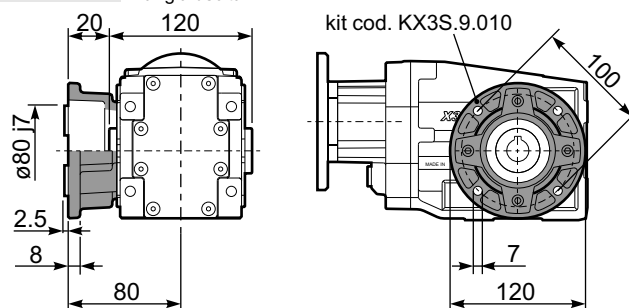
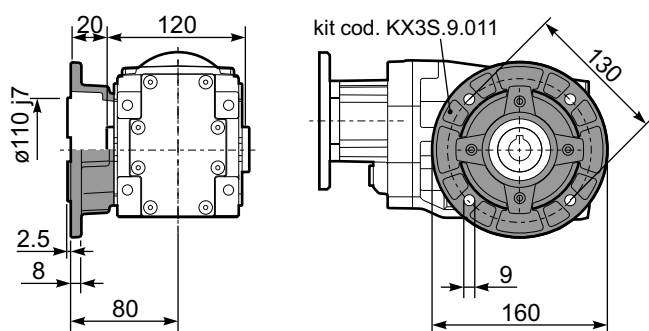
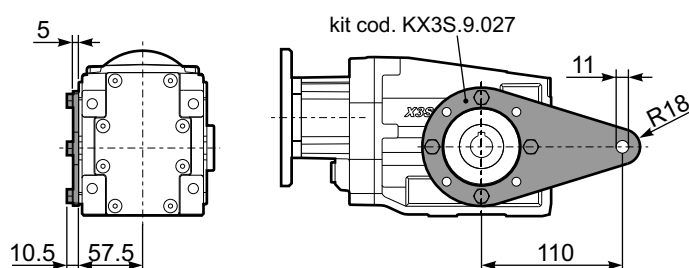
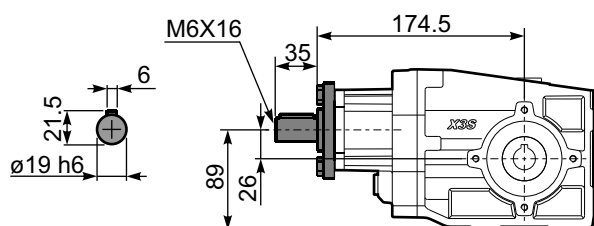
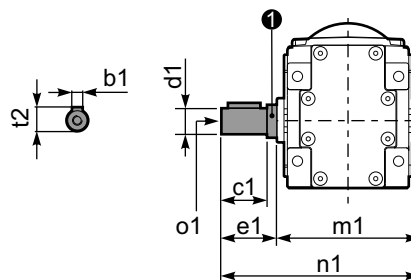
4 holes M8x15
Mounting holes position
Posizione fori di montaggio



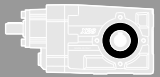
Standard
Hollow shaft



On request
A richiesta

PX32S.-N..Feet
Piedini**PX32S.-F1..**Output flange
Flangia uscita**PX32S.-F2..**Output flange
Flangia uscita**PX32S.BR..**Reaction Arm
Braccio di reazione**RX32S...**Input shaft
Albero in entrata**PX32S..A..**Single output shaft
Albero semplice in uscita

d1	b1	c1	e1	m1	n1	t2	o1	1 kit code
ø20 ^{-0.005/-0.020}	6	37.5	40	120	140	22.5	M8x20	KX2S.5.028
ø25 ^{-0.005/-0.020}	8	60	63.2	126.8	190	28	M8x20	K063.5.028



QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.94** for all ratios

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft 	Ratios code
							B	C	O	P	Q		
							63	71	56	63	71		
38.7	36.17	0.37	86	1.2	0.43	100			C	C		17179	01
31.7	44.21	0.37	105	1.0	0.35	100			C	C		19139	02
27.6	50.68	0.25	81	1.2	0.31	100			C	C		17139	03
25.3	55.36	0.25	89	1.1	0.28	100			C	C		17177	04
23.2	60.31	0.25	97	1.0	0.26	100			C	C		15139	05
21.3	65.88	0.25	105	0.9	0.24	100			C	C		15177	06
19.4	72.25	0.18	88	1.1	0.22	100			C	C		10179	07
17.6	79.64	0.18	97	1.0	0.20	100			C	C		13177	08
15.2	92.31	0.18	113	0.9	0.17	100			C	C		15137	09
14.6	95.65	0.18	117	0.9	0.16	100			C	C		9179	10
13.8	101.23	0.12	80	1.2	0.15	100			C	C		10139	11
11.0	127.37	0.12	101	1.0	0.12	100			C	C		7179	12
9.3	151.16	0.09	95	1.0	0.10	100			C	C		6179	13
7.8	178.46	0.09	113	0.9	0.09	100			C	C		7139	14
6.6	211.79	0.06	88	1.1	0.07	100			C	C		6139	15
6.1	231.37	0.06	96	1.0	0.07	100			C	C		6177	16
5.1	273.16	0.06	113	0.9	0.06	100			C	C		7137	17
4.3	324.18	0.06	134	0.7	0.05	100			C	C		6137	18

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X33S** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X33S** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X33S** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X33S** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
B3	B6	B7	B8	V5	V6	V8
0.70 LT	0.65 LT	0.40 LT	0.65 LT	0.95 LT	0.65 LT	0.45 LT
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website

tab. 1

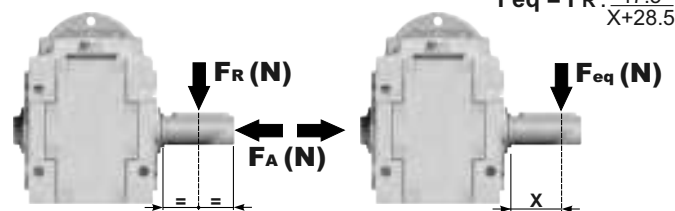
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{47.5}{X+28.5}$$



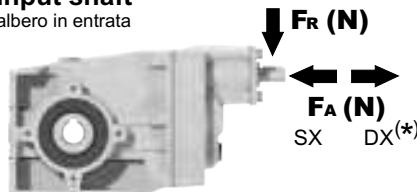
n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
250	400	2000	75	560	2800	15	560	2800
150	450	2250	50	560	2800			
100	500	2500	25	560	2800			

FR On request taper roller bearings to increase radial loads.

A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft

albero in entrata



n_1 [min ⁻¹]	FA	FR
1400	140	700
900	160	800
600	190	950

*Strong axial loads in the DX direction are not allowed.

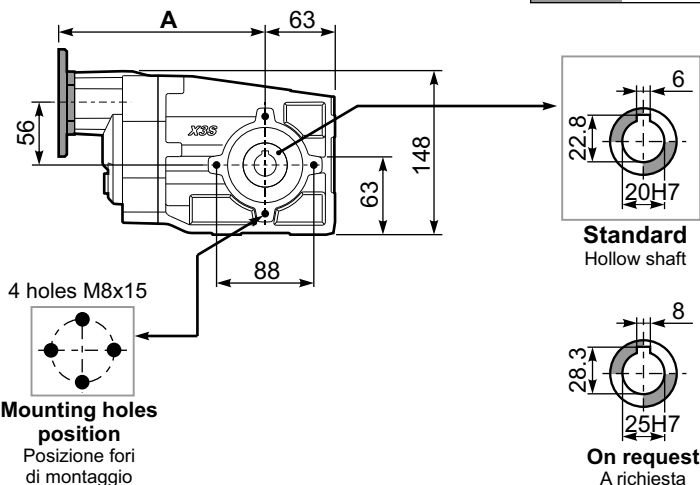
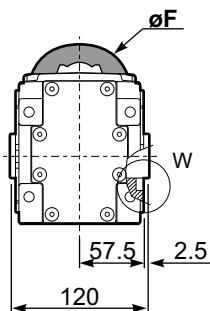
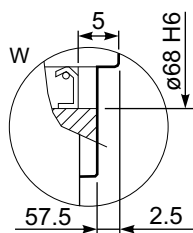
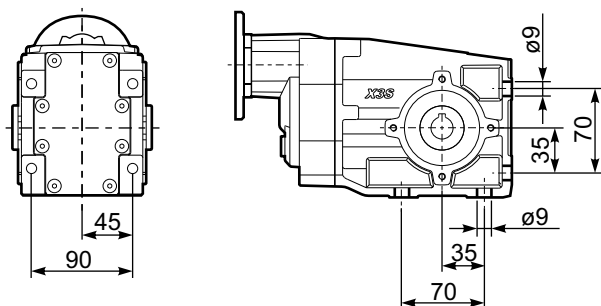
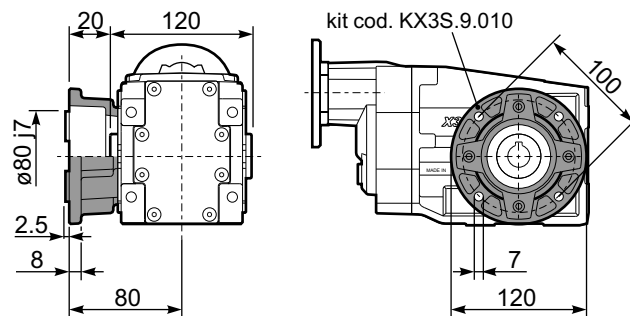
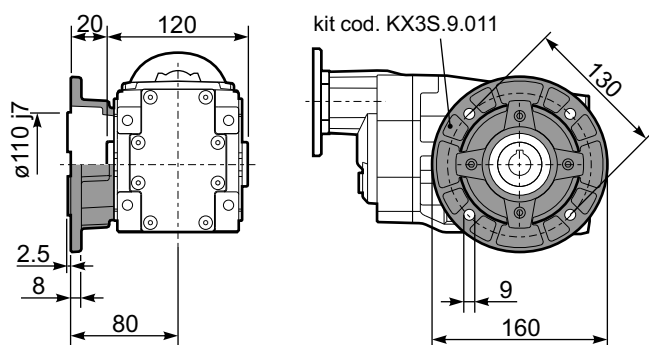
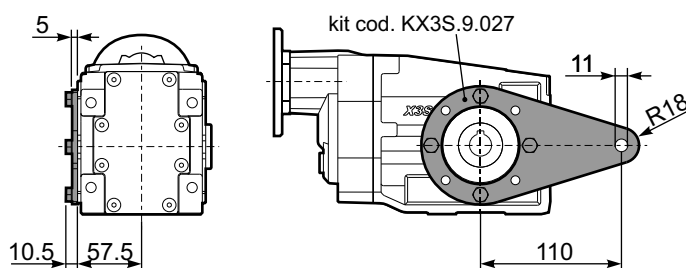
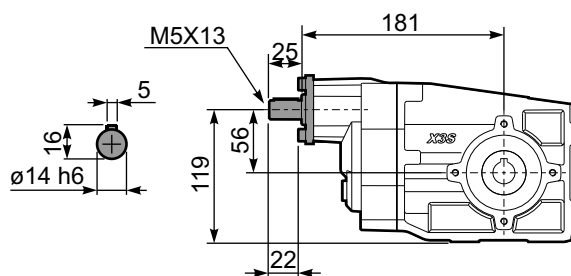
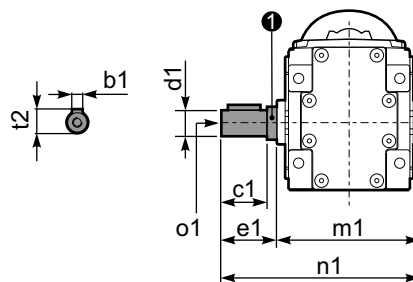
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

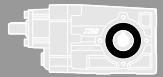
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PX33S-C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore**6.55 kg**

M. flanges	Kit code	ϕF	A
63B5	K050.4.041	138	187.5
71B5	K050.4.042	160	185.5
56B14	KC40.4.049	80	187
63B14	K050.4.047	90	189.5
71B14	K050.4.045	105	187

**PX33S-N..**Feet
Piedini**PX33S-F1..**Output flange
Flangia uscita**PX33S-F2..**Output flange
Flangia uscita**PX33S-BR..**Reaction Arm
Braccio di reazione**RX33S...**Input shaft
Albero in entrata**PX33S..A..**Single output shaft
Albero semplice in uscita

d1	b1	c1	e1	m1	n1	t2	o1	1 kit code
$\phi 20_{-0.005}^{-0.020}$	6	37.5	40	120	140	22.5	M8x20	KX2S.5.028
$\phi 25_{-0.005}^{-0.020}$	8	60	63.2	126.8	190	28	M8x20	K063.5.028



QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft	Ratio code
							B	C	D	E	Q	R	T	U		
							63	71	80	90	71	80	90	100 112		
192.2	7.29	2.2	104	0.9	2.0	95	B				C	C			2811	01
125.0	11.20	2.2	159	0.9	2.1	150	B				C	C			288	02
106.2	13.18	1.5	129	1.2	1.7	150	B				C	C			1911	03
91.7	15.27	1.1	109	1.4	1.5	150	B				C	C			1711	04
78.1	17.93	1.1	128	1.2	1.3	150	B				C	C			1511	05
69.1	20.25	1.1	145	1.0	1.1	150	B				C	C			198	06
65.4	21.40	1.1	153	1.0	1.1	150	B				C	C			1311	07
59.6	23.47	0.75	115	1.3	0.98	150	B				C	C			178	08
50.8	27.55	0.75	135	1.1	0.83	150	B				C	C			158	09
47.9	29.21	0.75	143	1.0	0.78	150	B				C	C			1011	10
42.6	32.88	0.75	161	0.9	0.70	150	B				C	C			138	11
36.7	38.12	0.55	138	1.1	0.60	150	B				C	C			911	12
31.2	44.89	0.55	163	0.9	0.51	150	B				C	C			108	13
27.8	50.34	0.37	122	1.1	0.40	131	B				C	C			711	14
23.9	58.58	0.37	142	1.1	0.39	150	B				C	C			98	15
18.1	77.36	0.25	126	1.2	0.30	150	B				C	C			78	16

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X42A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X42A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X42A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X42A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
B3	B6	B7	B8	V5	V6	V8
0.60 LT	0.75 LT	0.50 LT	0.70 LT	1.10 LT	0.60 LT	0.50 LT
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

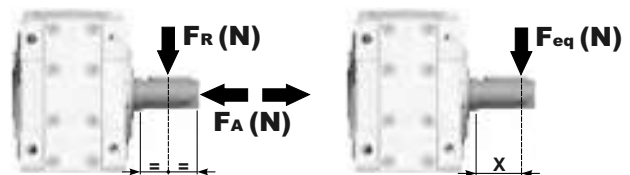
tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{54}{X+28}$$



n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
250	500	2500	75	800	4000	15	960	4800
150	600	3000	50	960	4800			
100	700	3500	25	960	4800			

FR On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft

albero in entrata

n_1 [min ⁻¹]	FA	FR
1400	240	1200
900	280	1400
600	340	1700

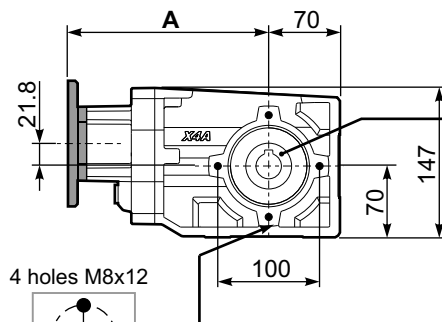
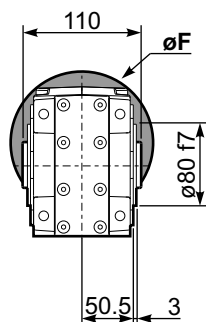
*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

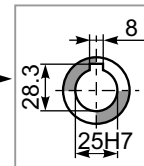
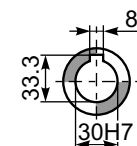
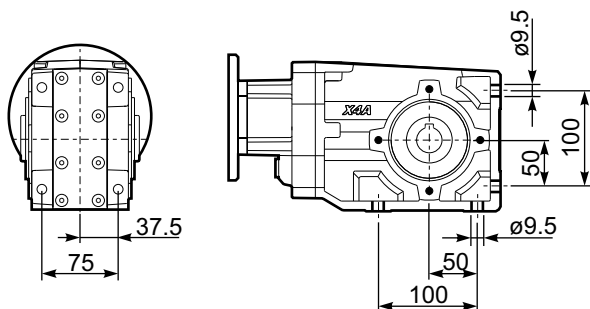
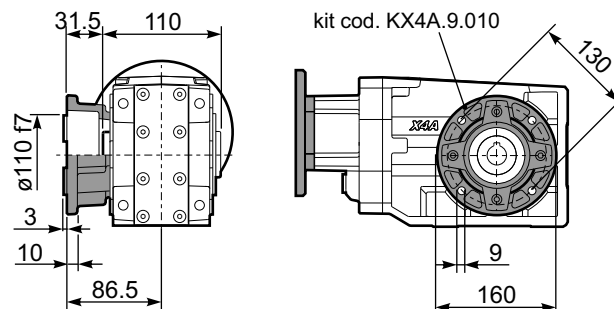
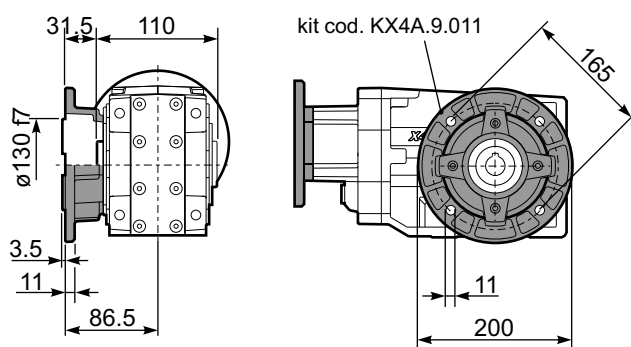
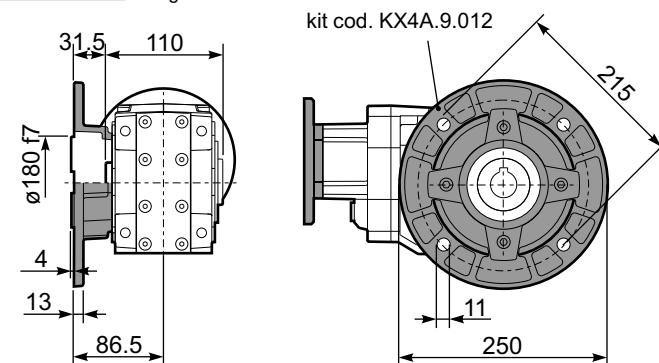
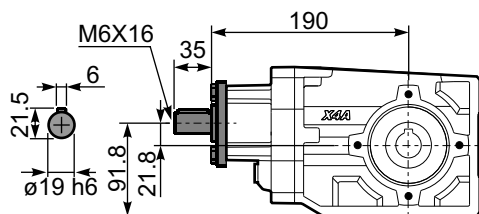
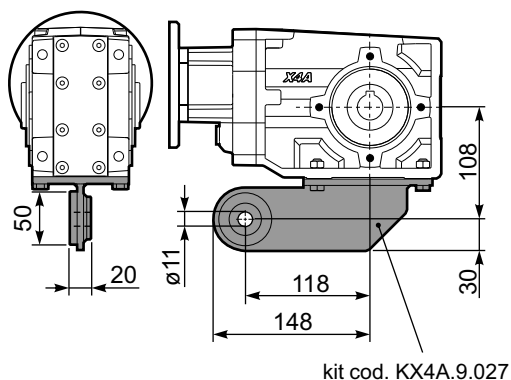
▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PX42A-C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore**7.82 kg**

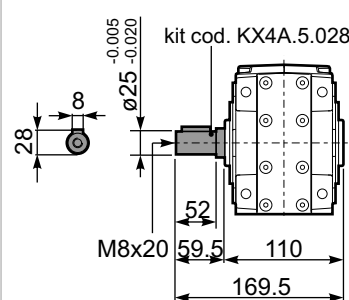
M. flanges	Kit code	øF	A
63B5	K063.4.041	140	199.5
71B5	K063.4.042	160	197.5
80/90B5	K063.4.043	200	199.5
71B14	K063.4.047	105	197.5
80B14	K063.4.046	120	198.5
90B14	K063.4.041	140	199.5
100/112B14	KC40.4.041	160	235



4 holes M8x12

Mounting holes
positionPosizione fori
di montaggio**Standard**
Hollow shaft**On request**
A richiesta**PX42A-N..**Feet
Piedini**PX42A-F2..**Output flange
Flangia uscita**PX42A-F3..**Output flange
Flangia uscita**PX42A-F4..**Output flange
Flangia uscita**RX42A...**Input shaft
Albero in entrata**PX42A-BR..**Reaction Arm
Braccio di reazione

kit cod. KX4A.9.027

PX42A..A..Single output shaft
Albero semplice in uscita



QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.94** for all ratios

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor $f.s.$	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges		Available B14 motor flanges			Output Shaft 	Ratios code
							B	C	O	P	Q		
							63	71	56	63	71		
27.8	50.35	0.37	119	1.3	0.46	150			C	C		171311	01
25.4	55.22	0.37	131	1.1	0.42	150			C	C		17178	02
23.4	59.92	0.37	142	1.1	0.39	150			C	C		151311	03
21.3	65.72	0.37	156	1.0	0.36	150			C	C		15178	04
19.5	71.78	0.25	115	1.3	0.33	150			C	C		101711	05
17.6	79.44	0.25	127	1.2	0.29	150			C	C		13178	06
15.2	92.08	0.25	147	1.0	0.25	150			C	C		15138	07
14.7	95.03	0.25	152	1.0	0.25	150			C	C		91711	08
11.1	126.55	0.18	155	1.0	0.20	160			C	C		71711	09
10.5	133.15	0.18	163	1.0	0.19	160			C	C		91311	10
9.3	150.18	0.12	119	1.3	0.17	160			C	C		61711	11
7.9	177.30	0.12	140	1.1	0.14	160			C	C		71311	12
6.7	210.42	0.09	133	1.2	0.12	160			C	C		61311	13
6.1	230.79	0.09	146	1.1	0.11	160			C	C		6178	14
5.1	272.47	0.06	113	1.4	0.09	160			C	C		7138	15
4.3	323.37	0.06	134	1.2	0.08	160			C	C		6138	16

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X43A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X43A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X43A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X43A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
0.80 LT	0.80 LT	0.60 LT	0.80 LT	1.20 LT	0.70 LT	0.70 LT
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

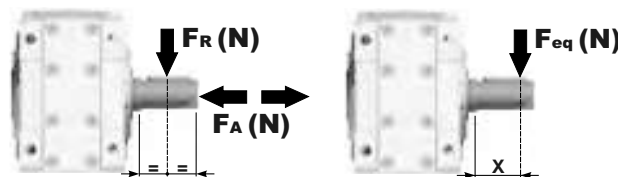
tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{54}{X+28}$$

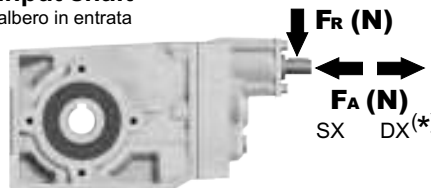


n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
250	500	2500	75	800	4000	15	960	4800
150	600	3000	50	960	4800			
100	700	3500	25	960	4800			

FR On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft

albero in entrata



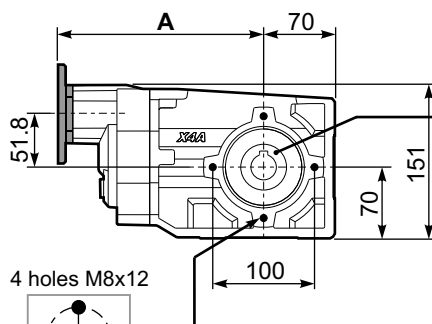
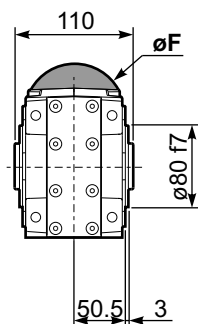
n_1 [min ⁻¹]	FA [N]	FR [N]
1400	140	700
900	160	800
600	190	950

*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

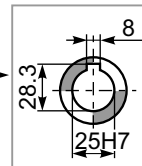
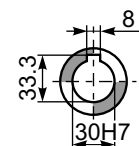
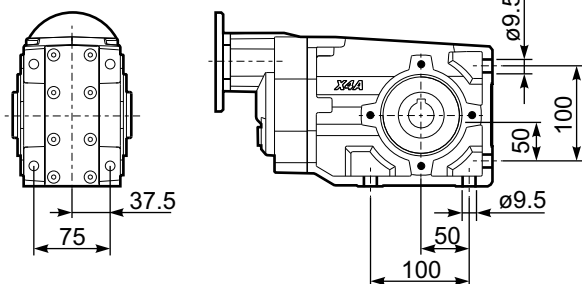
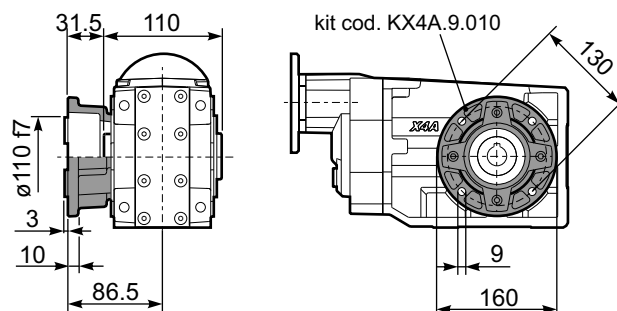
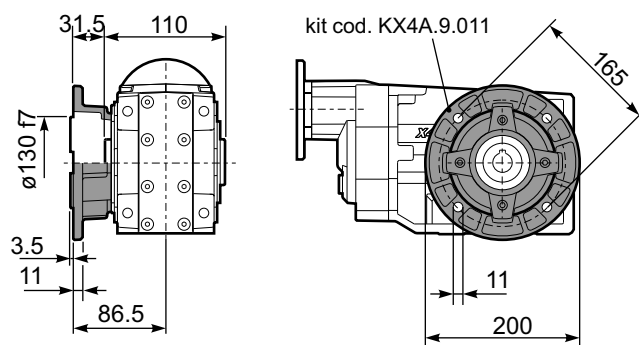
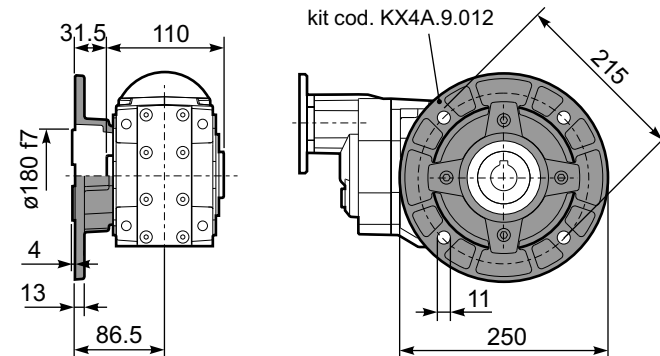
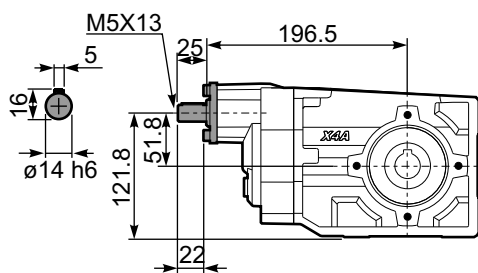
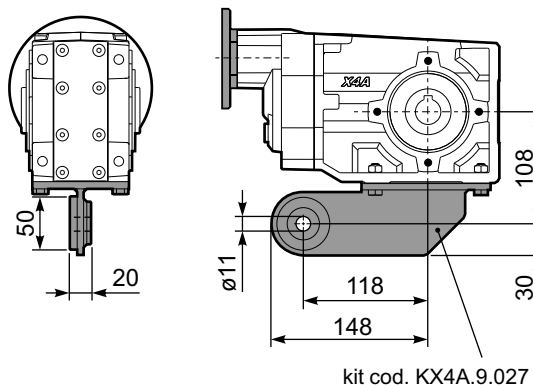
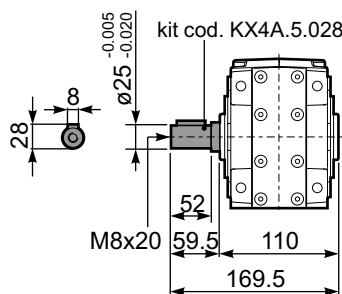
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

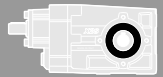
PX43A-C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore**7.93 kg**

M. flanges	Kit code	øF	A
63B5	K050.4.041	138	203
71B5	K050.4.042	160	201
56B14	KC40.4.049	80	202.5
63B14	K050.4.047	90	205
71B14	K050.4.045	105	202.5



4 holes M8x12

Mounting holes
positionPosizione fori
di montaggio**Standard**
Hollow shaft**On request**
A richiesta**PX43A-N..**Feet
Piedini**PX43A-F2..**Output flange
Flangia uscita**PX43A-F3..**Output flange
Flangia uscita**PX43A-F4..**Output flange
Flangia uscita**RX43A...**Input shaft
Albero in entrata**PX43A-BR..**Reaction Arm
Braccio di reazione**PX43A..A..**Single output shaft
Albero semplice in uscita



QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft	
							C	D	E	F	R	T	U		
							71	80	90	100 112	80	90	100 112		
232.3	6.03	3	116	1.2	3.4	135	B							3011	01
151.1	9.26	3	179	0.9	2.6	155	B							308	02
123.2	11.36	3	219	1.0	3.1	230	B							2011	03
91.2	15.36	2.2	218	1.1	2.5	250	B							1611	04
80.2	17.46	2.2	248	1.0	2.2	250	B							208	05
70.1	19.97	2.2	284	0.9	1.9	250	B							1311	06
59.3	23.60	1.5	231	1.1	1.6	250	B							168	07
57.3	24.45	1.5	240	1.0	1.6	250	B							1111	08
45.6	30.69	1.1	220	1.1	1.2	250	B							138	09
39.6	35.35	1.1	253	1.0	1.1	250	B							811	10
37.3	37.57	1.1	269	0.9	1.0	250	B							118	11
28.8	48.68	0.75	239	1.0	0.78	250	B							611	12
25.8	54.33	0.75	267	0.9	0.70	250	B							88	13
18.7	74.81	0.37	181	1.2	0.43	210	B							68	14

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X52A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X52A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X52A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X52A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio						
B3	B6	B7	B8	V5	V6	V8	
0.90 LT	1.50LT	0.75 LT	1.40 LT	1.95 LT	1.15 LT	0.80 LT	
AGIP Telium VSF 320				SHELL Omala S4 WE 320			

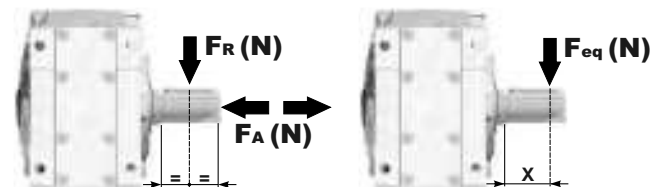
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web **tab. 1**

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{61.5}{X+31}$$



n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
250	600	3000	75	820	4100	15	1660	8300
150	700	3500	50	960	4800			
100	800	4000	25	1350	6750			

FR On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft

albero in entrata

n_1 [min ⁻¹]	FA	FR
1400	400	2000
900	440	2200
600	440	2200

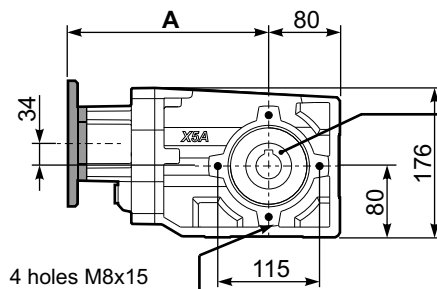
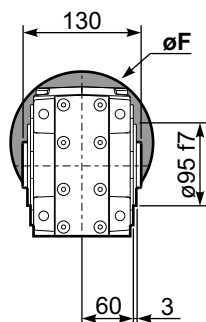
*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

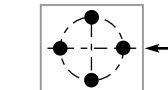
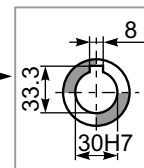
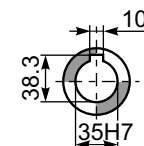
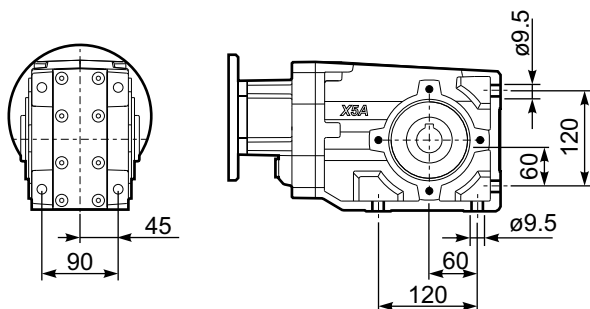
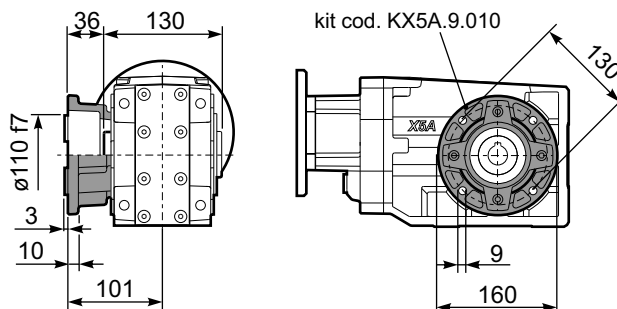
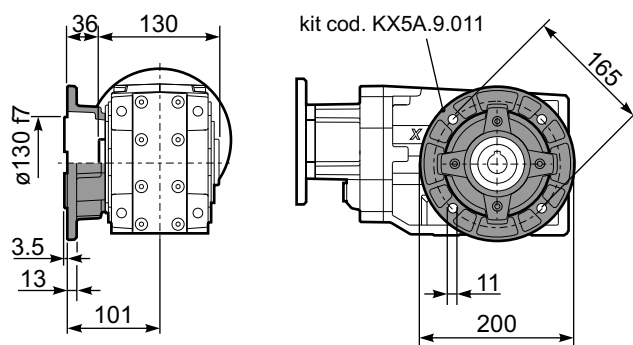
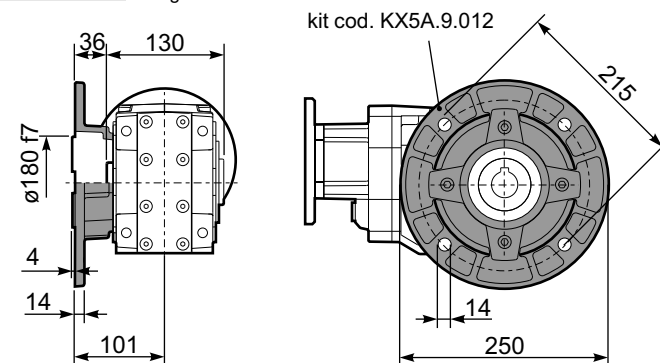
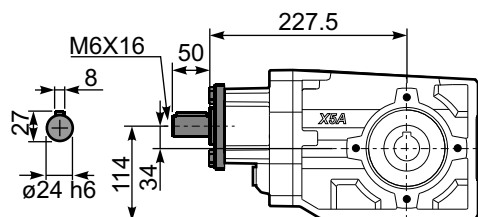
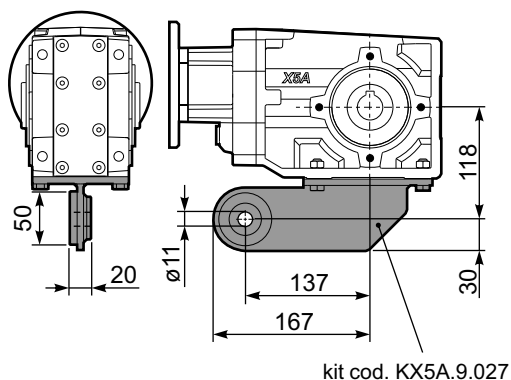
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PX52A-C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore **12.80 kg**

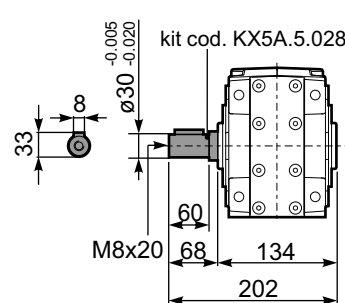
M. flanges	Kit code	øF	A
71B5	KC023.4.041	160	234
80/90B5	KC023.4.042	200	236
100/112B5	KC023.4.043	250	242
80B14	KC085.4.046	120	234
90B14	KC085.4.045	140	234
100/112B14	KC085.4.047	160	245



4 holes M8x15

Mounting holes
positionPosizione fori
di montaggio**Standard**
Hollow shaft**On request**
A richiesta**PX52A-N..**Feet
Piedini**PX52A-F2..**Output flange
Flangia uscita**PX52A-F3..**Output flange
Flangia uscita**PX52A-F4..**Output flange
Flangia uscita**RX52A...**Input shaft
Albero in entrata**PX52A-BR..**Reaction Arm
Braccio di reazione

kit cod. KX5A.9.027

PX52A..A..Single output shaft
Albero semplice in uscita

kit cod. KX5A.5.028



▪ **QUICK SELECTION** / Selezione veloce The dynamic efficiency is **0.94** for all ratios **input speed (n_1) = 1400 min⁻¹**

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft		Ratios code
							B	C	D	E	Q	R	T			
							63	71	80	90	71	80	90			
24.7	56.76	0.55	201	1.2	0.69	250	B				C	C		191311	standard ø30	01
21.3	65.79	0.55	233	1.1	0.59	250	B				C	C		171311		02
18.1	77.23	0.55	274	0.9	0.50	250	B				C	C		151311		03
16.0	87.23	0.37	207	1.2	0.45	250	B				C	C		19138		04
15.2	92.18	0.37	219	1.1	0.42	250	B				C	C		131311		05
13.9	100.47	0.37	238	1.0	0.39	250	B				C	C		19811		06
12.0	116.45	0.37	276	0.9	0.33	250	B				C	C		17811		07
11.1	125.82	0.25	201	1.2	0.31	250	B				C	C		101311		08
9.9	141.66	0.25	227	1.1	0.28	250	B				C	C		13138		09
8.6	163.16	0.25	261	1.0	0.24	250	B				C	C		13811		10
7.8	178.96	0.18	219	1.1	0.22	250	B				C	C		1788	ø35 On request	11
7.2	193.36	0.18	237	1.1	0.20	250	B				C	C		10138		12
6.5	216.84	0.18	265	0.9	0.18	250	B				C	C		71311		13
5.5	252.36	0.12	200	1.3	0.15	250	B				C	C		9138		14
4.8	290.67	0.12	230	1.1	0.13	250	B				C	C		9811		15
4.2	333.23	0.09	210	1.2	0.12	250	B				C	C		7138		16
3.6	383.82	0.09	242	1.0	0.10	250	B				C	C		7811		17
3.1	446.70	0.09	282	0.9	0.09	250	B				C	C		988		18
2.4	589.85	0.06	244	1.0	0.07	250	B				C	C		788		19

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X53A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X53A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X53A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X53A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio						
B3	B6	B7	B8	V5	V6	V8	
1.30 LT	1.55 LT	0.85 LT	1.45 LT	2.10 LT	1.25 LT	0.95 LT	
AGIP Telium VSF 320				SHELL Omala S4 WE 320			

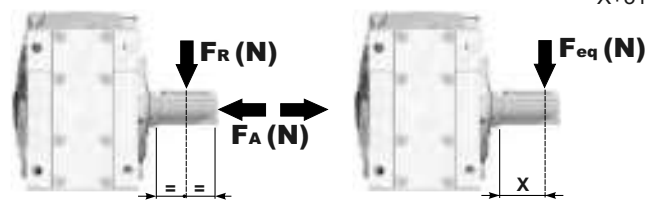
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

▪ **RADIAL AND AXIAL LOADS**

Output shaft
Albero di uscita

$$F_{eq} = F_R \cdot \frac{61.5}{X+31}$$



n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
250	600	3000	75	820	4100	15	1660	8300
150	700	3500	50	960	4800			
100	800	4000	25	1350	6750			

FR On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n_1 [min ⁻¹]	FA [N]	FR [N]
1400	400	2000
900	440	2200
600	440	2200

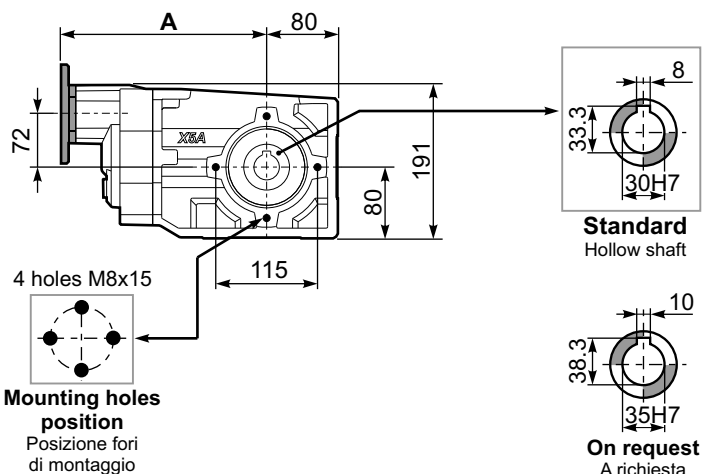
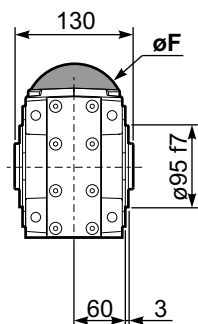
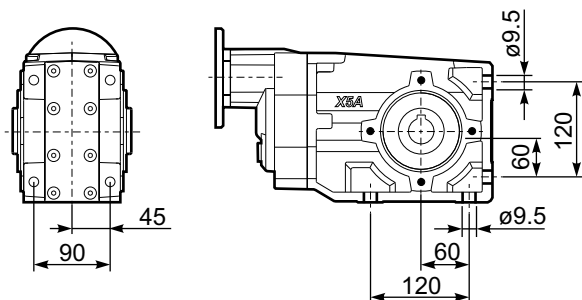
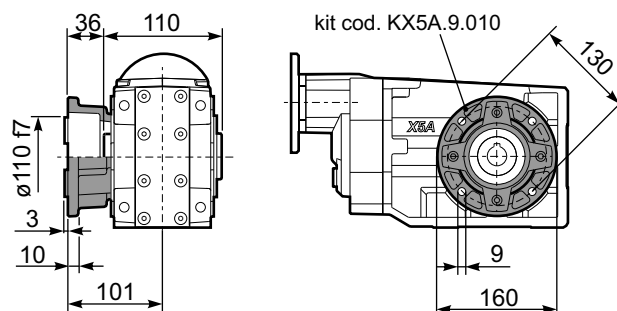
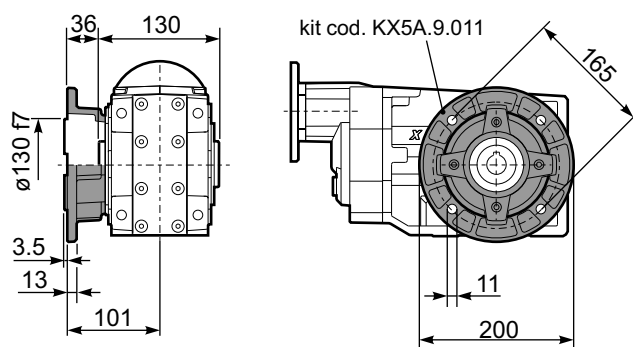
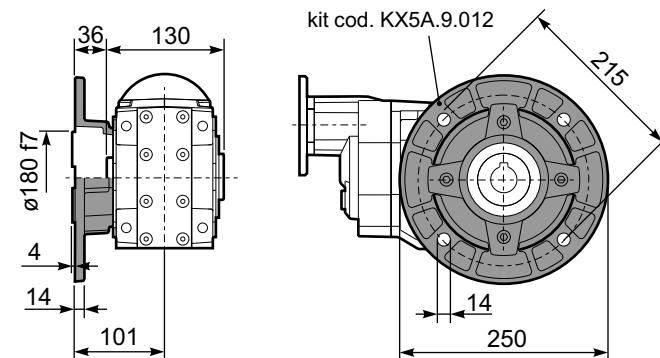
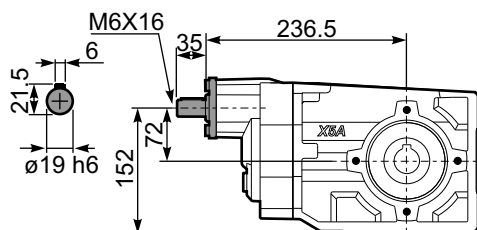
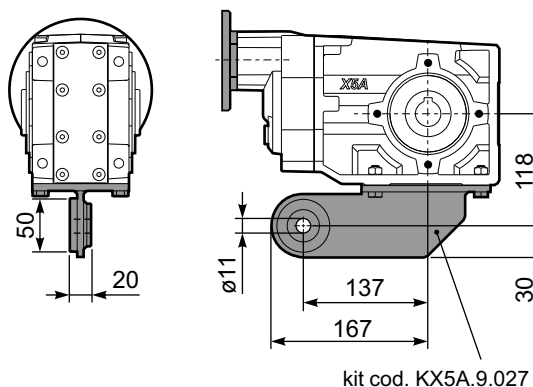
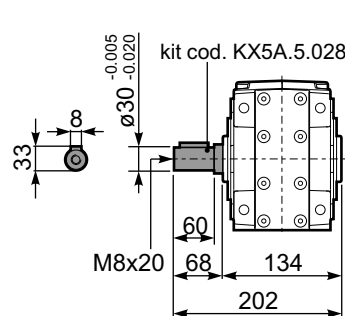
*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PX53A-C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore **12.65 kg**

M. flanges	Kit code	øF	A
63B5	K063.4.041	140	246
71B5	K063.4.042	160	244
80/90B5	K063.4.043	200	246
71B14	K063.4.047	105	244
80B14	K063.4.046	120	245
90B14	K063.4.041	140	246

**PX53A-N..**Feet
Piedini**PX53A-F2..**Output flange
Flangia uscita**PX53A-F3..**Output flange
Flangia uscita**PX53A-F4..**Output flange
Flangia uscita**RX53A...**Input shaft
Albero in entrata**PX53A-BR..**Reaction Arm
Braccio di reazione**PX53A..A..**Single output shaft
Albero semplice in uscita



QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.96** for all ratios

input speed (n_1) = 1400 min⁻¹

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [kW]	Output torque M _{2M} [Nm]	Service factor f.s.	Nominal power P _{1R} [kW]	Nominal torque M _{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges					 Output Shaft	 Ratios code
							C	D	E	F	R	T	U	V			
							71	80	90	100* 112	80	90	100 112	132			
232.3	6.03	5.5	211	1.1	6.1	240	B							3011	 standard ø35	01	
151.1	9.26	4	238	1.1	4.5	270	B							308		02	
123.2	11.36	4	291	1.2	4.7	350	B							2011		03	
91.2	15.36	4	394	1.0	3.8	385	B							1611		04	
80.2	17.46	4	448	0.9	3.5	400	B							208		05	
70.1	19.97	3	386	1.1	3.1	410	B							1311		06	
59.3	23.60	3	456	0.9	2.7	410	B							168		07	
57.3	24.45	3	472	0.9	2.6	410	B							1111		08	
45.6	30.69	2.2	436	0.9	2.0	410	B							138	ø40	09	
39.6	35.35	1.5	346	1.2	1.8	410	B							811	On request	10	
37.3	37.57	1.5	368	1.1	1.7	410	B							118		11	
28.8	48.68	1.1	348	1.0	1.2	365	B							611		12	
25.8	54.33	1.1	389	1.1	1.2	410	B							88		13	
18.7	74.81	0.75	367	1.0	0.73	360	B							68		14	

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X62A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X62A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X62A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X62A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio						
B3	B6	B7	B8	V5	V6	V8	
1.25 LT	1.70 LT	0.95 LT	1.60 LT	2.45 LT	1.50 LT	1.10 LT	
AGIP Telium VSF 320				SHELL Omala S4 WE 320			

For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web **tab. 1**

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

$$F_{eq} = F_R \cdot \frac{69}{X+39}$$



n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
250	600	3000	75	890	4450	15	1660	8300
150	700	3500	50	1140	5700			
100	780	3900	25	1330	6650			

FR On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft

albero in entrata

n_1 [min ⁻¹]	FA	FR
1400	450	2250
900	500	2500
600	600	3000

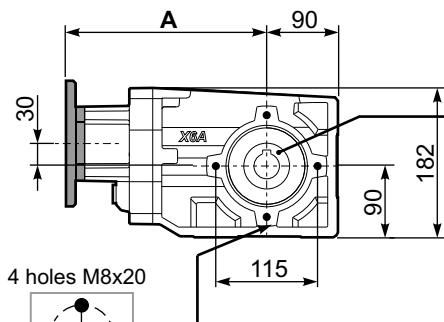
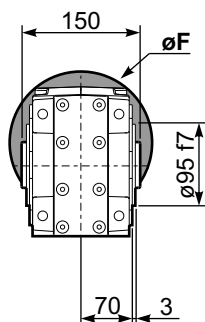
*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

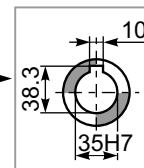
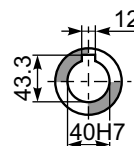
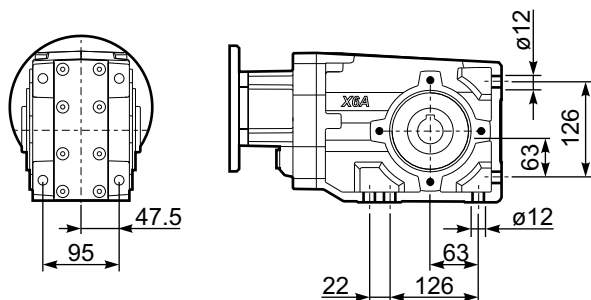
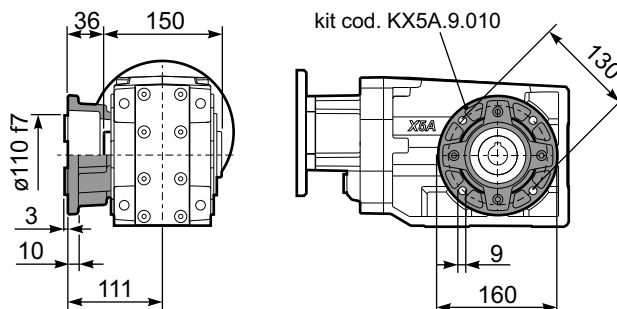
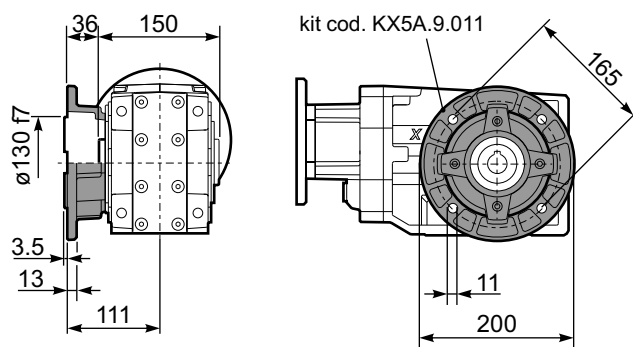
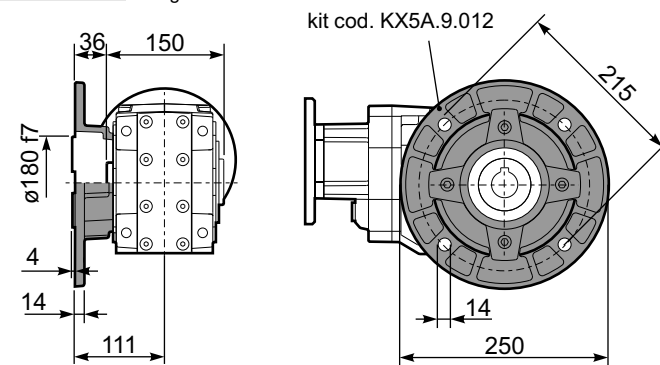
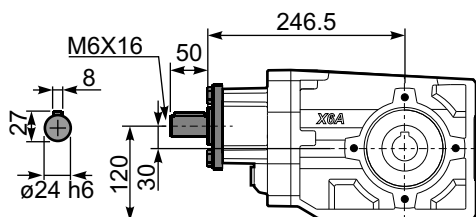
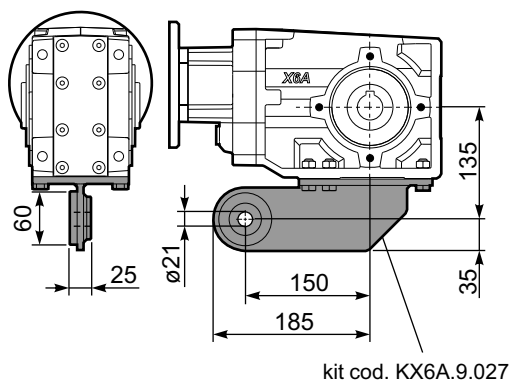
▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

PX62A-C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore **15.80 kg**

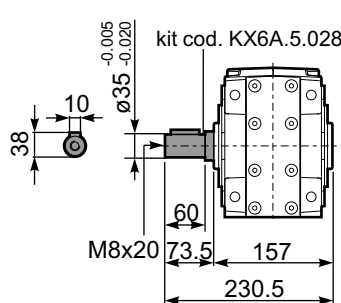
M. flanges	Kit code	øF	A
71B5	KC023.4.041	160	253
80/90B5	KC023.4.042	200	255
100/112B5	KC023.4.043	250	261
80B14	KC085.4.046	120	253
90B14	KC085.4.045	140	253
100/112B14	KC085.4.047	160	264
132B14	KC50.4.041	200	282.5



4 holes M8x20

Mounting holes
positionPosizione fori
di montaggio**Standard**
Hollow shaft**On request**
A richiesta**PX62A-N..**Feet
Piedini**PX62A-F2..**Output flange
Flangia uscita**PX62A-F3..**Output flange
Flangia uscita**PX62A-F4..**Output flange
Flangia uscita**RX62A...**Input shaft
Albero in entrata**PX62A-BR..**Reaction Arm
Braccio di reazione

kit cod. KX6A.9.027

PX62A..A..Single output shaft
Albero semplice in uscita



QUICK SELECTION / Selezione veloce

The dynamic efficiency is **0.94** for all ratios

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft 	Ratios code
							B	C	D	E	Q	R	T		
							63	71	80	90	71	80	90		
24.7	56.76	1.1	398	1.0	1.1	410	B				C	C		191311	01
21.3	65.79	0.75	316	1.3	0.97	410	B				C	C		171311	02
18.1	77.23	0.75	371	1.1	0.83	410	B				C	C		151311	03
16.0	87.23	0.75	420	1.0	0.73	410	B				C	C		19138	04
15.2	92.18	0.75	443	0.9	0.69	410	B				C	C		131311	05
13.9	100.47	0.55	357	1.2	0.64	410	B				C	C		19811	06
12.0	116.45	0.55	413	1.0	0.55	410	B				C	C		17811	07
11.1	125.82	0.55	447	0.9	0.51	410	B				C	C		101311	08
9.9	141.66	0.37	336	1.2	0.45	410	B				C	C		13138	09
8.6	163.16	0.37	387	1.1	0.39	410	B				C	C		13811	10
7.8	178.96	0.37	425	1.0	0.36	410	B				C	C		1788	11
7.2	193.36	0.37	459	0.9	0.33	410	B				C	C		10138	12
6.5	216.84	0.25	347	1.2	0.29	410	B				C	C		71311	13
5.5	252.36	0.25	404	1.0	0.25	410	B				C	C		9138	14
4.8	290.67	0.25	465	0.9	0.22	410	B				C	C		9811	15
4.2	333.23	0.18	408	1.0	0.19	410	B				C	C		7138	16
3.6	383.82	0.18	470	0.9	0.17	410	B				C	C		7811	17
3.1	446.70	0.12	353	1.2	0.14	410	B				C	C		988	18
2.4	589.85	0.09	372	1.1	0.11	410	B				C	C		788	19

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **X63A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **X63A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **X63A** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **X63A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio						
B3	B6	B7	B8	V5	V6	V8	
1.80 LT	1.80 LT	1.05 LT	1.70 LT	2.60 LT	1.65 LT	1.30 LT	
AGIP Telium VSF 320				SHELL Omala S4 WE 320			

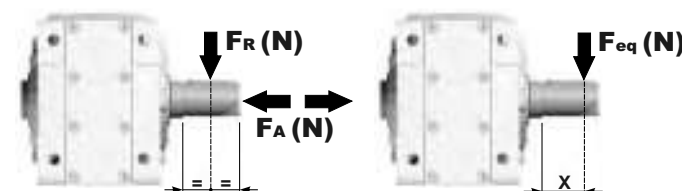
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$$F_{eq} = F_R \cdot \frac{69}{X+39}$$



n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR	n_2 [min ⁻¹]	FA	FR
250	600	3000	75	890	4450	15	1660	8300
150	700	3500	50	1140	5700			
100	780	3900	25	1330	6650			

FR On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n_1 [min ⁻¹]	FA [N]	FR [N]
1400	400	2000
900	440	2200
600	440	2200

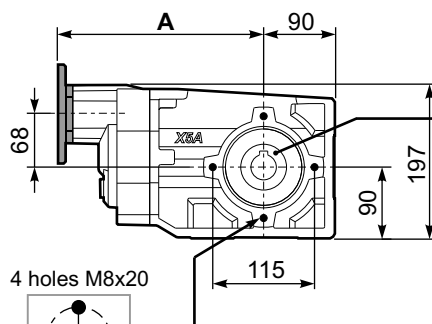
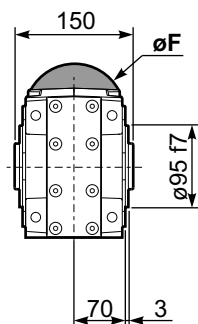
*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

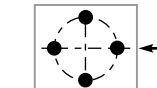
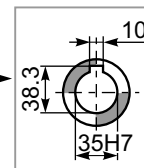
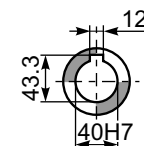
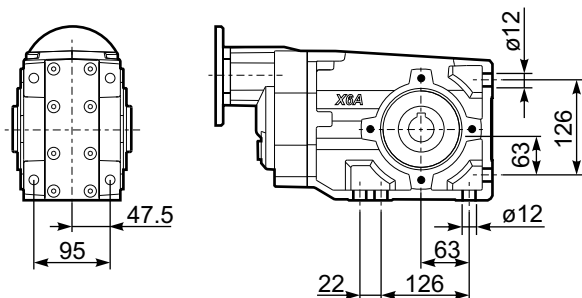
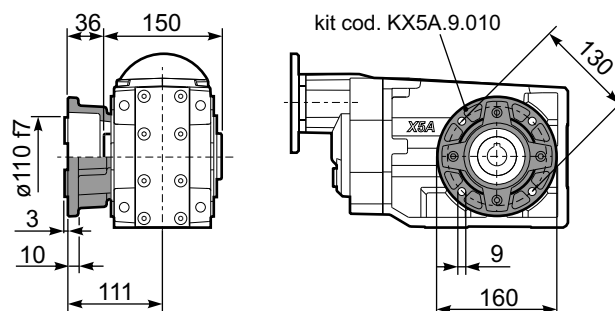
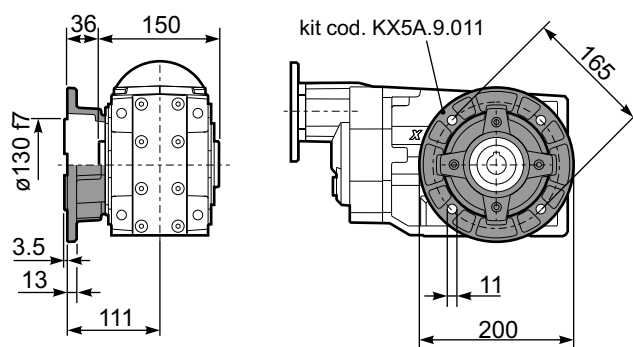
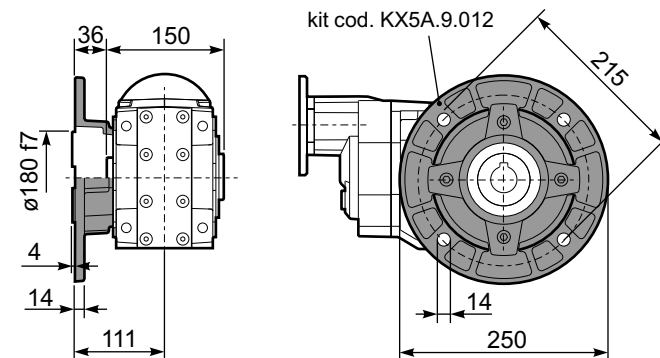
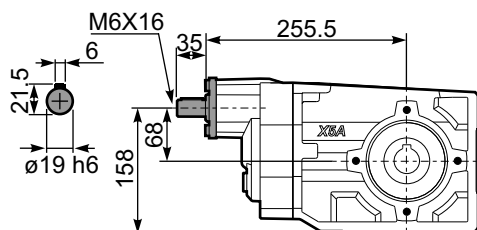
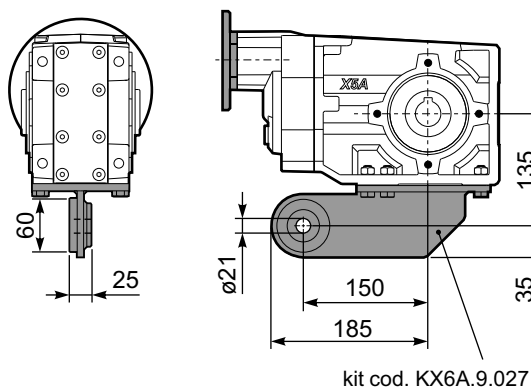
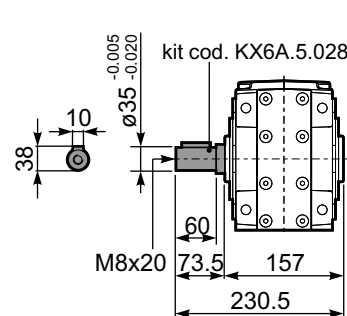
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

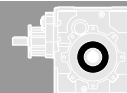
PX63A-C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore **15.98 kg**

M. flanges	Kit code	øF	A
63B5	K063.4.041	140	265
71B5	K063.4.042	160	263
80/90B5	K063.4.043	200	265
71B14	K063.4.047	105	263
80B14	K063.4.046	120	264
90B14	K063.4.041	140	265



4 holes M8x20

Mounting holes
position
Posizione fori
di montaggio**Standard**
Hollow shaft**On request**
A richiesta**PX63A-N..**Feet
Piedini**PX63A-F2..**Output flange
Flangia uscita**PX63A-F3..**Output flange
Flangia uscita**PX63A-F4..**Output flange
Flangia uscita**RX63A...**Input shaft
Albero in entrata**PX63ABR..**Reaction Arm
Braccio di reazione**PX63A..A..**Single output shaft
Albero semplice in uscita



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft  $\varnothing$	Ratios code 
							C	D	E	F	R	T	U	V		
							71	80	90	100 112	80	90	100 112	132		
176	7.94	7.5	369	1.0	7.1	360	B								302418	01
153	9.13	7.5	425	0.9	6.3	370	B								302416	02
131	10.66	5.5	366	1.1	5.6	385	B								302414	03
94	14.97	5.5	514	1.1	5.7	550	B								202418	04
81	17.21	5.5	591	1.0	5.2	570	B								202416	05
69	20.24	4	509	1.2	4.6	600	B								162418	06
60	23.27	4	585	1.0	4.0	600	B								162416	07
53	26.31	4	661	0.9	3.6	600	B								132418	08
46.3	30.25	3	572	1.0	3.1	600	B								132416	09
39.6	35.32	3	668	0.9	2.7	600	B								132414	10
37.8	37.03	2.2	516	1.2	2.5	600	B								112416	11
32.4	43.23	2.2	602	1.0	2.2	600	B								112414	12
30.1	46.58	2.2	649	0.9	2.0	600	B								82418	13
26.1	53.55	1.5	514	1.2	1.8	600	B								82416	14
22.4	62.52	1.5	600	1.0	1.5	600	B								82414	15
19.0	73.75	1.1	517	1.1	1.2	555	B								62416	16
16.3	86.09	1.1	604	1.0	1.1	600	B								62414	17

The dynamic efficiency is **0.94** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **113C** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

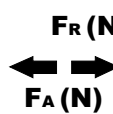
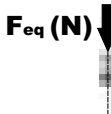
I Il riduttore **113C** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe **113C** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **113C** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
4.00 LT	2.60 LT	2.60 LT	2.60 LT	5.15 LT	2.20 LT	Ask
AGIP Telium VSF 320				SHELL Omala S4 WE 320		

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			F _{eq} = F _R · $\frac{171}{X+131}$					
								
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	640	3200	140	860	4300	70	1080	5400
250	700	3500	120	900	4500	40	1300	6500
200	740	3700	85	1000	5000	15	1840	9200
On request reinforced bearings to increase loads. A richiesta cuscinetti rinforzati per aumentare i carichi.								
Input shaft Albero in entrata								
n_1	FA	FR	n_1	FA	FR	n_1	FA	FR
1400	400	2000	900	440	2200	500	440	2200

tab. 2

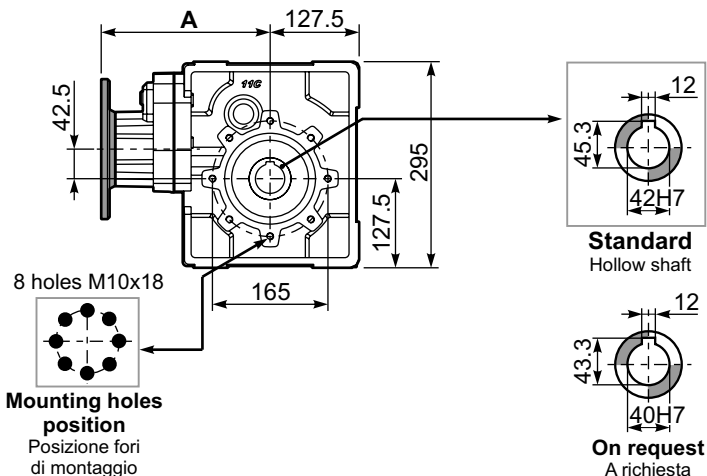
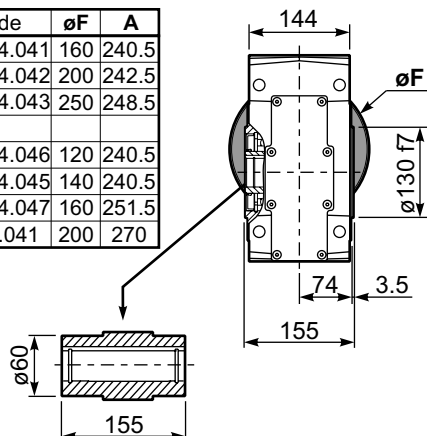
▪ **SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.**
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P113C...

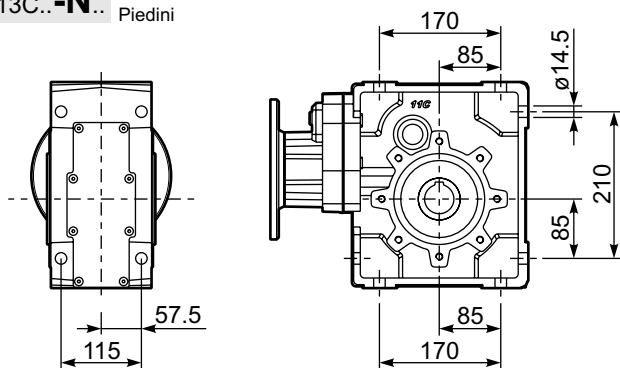
Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore

38.0 kg

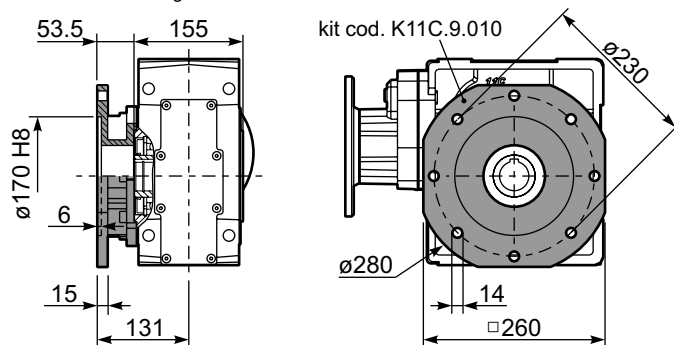
M. flanges	Kit code	øF	A
71B5	KC023.4.041	160	240.5
80/90B5	KC023.4.042	200	242.5
100/112B5	KC023.4.043	250	248.5
80B14	KC085.4.046	120	240.5
90B14	KC085.4.045	140	240.5
100/112B14	KC085.4.047	160	251.5
132B14	KC50.4.041	200	270



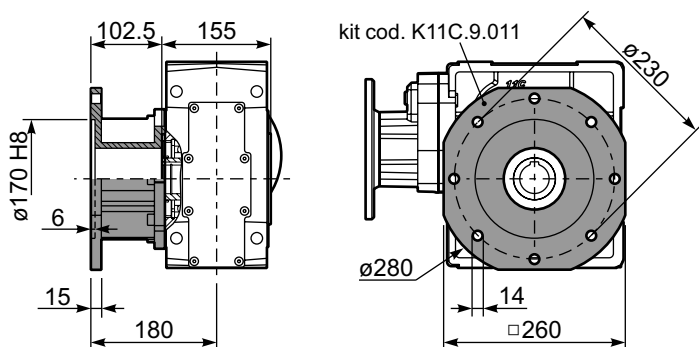
P113C..-N..

Feet
Piedini

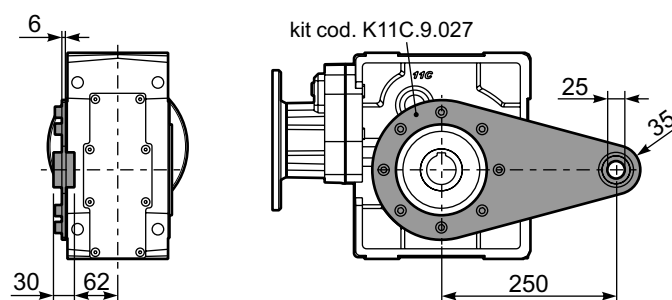
P113C-FC..

Output flange
Flangia uscita

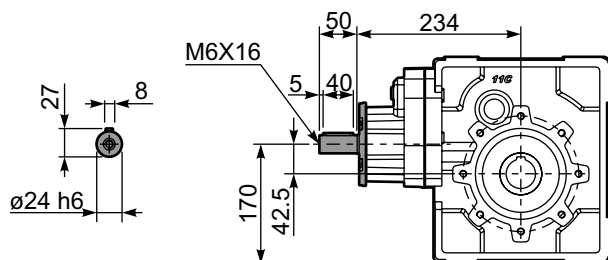
P113C-FL..

Output flange
Flangia uscita

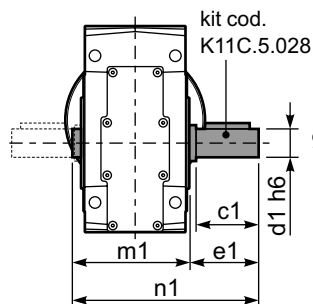
P113CBR..

Reaction Arm
Braccio di reazione

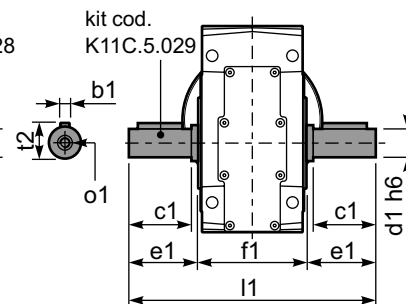
R113C...

Input shaft
Albero in entrata

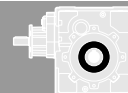
P113C..A..

Single shaft
Albero lento semplice

P113C..B..

Double shaft
Albero lento bisp.

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Standard	12	80	42	84.5	155	324	164.5	249	45	M16
-	-	-	-	-	-	-	-	-	-	-


QUICK SELECTION / Selezione veloce

 input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft  $\varnothing$	Ratios code 
							B	C	D	E	Q	R	T		
							63	71	80	90	71	80	90		
18.7	74.79	1.1	514	1.2	1.3	600	B				C	C		19132418	01
16.3	85.99	1.1	591	1.0	1.1	600	B				C	C		19132416	02
14.0	99.66	1.1	685	0.9	0.96	600	B				C	C		17132416	03
12.0	116.35	0.75	548	1.1	0.82	600	B				C	C		17132414	04
11.5	121.45	0.75	572	1.0	0.79	600	B				C	C		13132418	05
10.0	139.64	0.75	658	0.9	0.68	600	B				C	C		13132416	06
9.2	152.21	0.55	529	1.1	0.63	600	B				C	C		19082416	07
8.6	163.02	0.55	567	1.1	0.59	600	B				C	C		13132414	08
7.9	177.69	0.55	618	1.0	0.54	600	B				C	C		19082414	09
6.8	205.95	0.37	479	1.3	0.46	600	B				C	C		17082414	10
6.3	222.52	0.37	517	1.2	0.43	600	B				C	C		10132414	11
5.6	248.76	0.37	578	1.0	0.38	600	B				C	C		9132416	12
4.8	290.41	0.37	675	0.9	0.33	600	B				C	C		9132414	13
4.1	337.39	0.25	529	1.1	0.28	600	B				C	C		10082416	14
3.6	393.88	0.25	618	1.0	0.24	600	B				C	C		10082414	15
3.2	440.33	0.25	690	0.9	0.22	600	B				C	C		9082416	16
2.7	514.06	0.18	616	1.0	0.19	600	B				C	C		9082414	17
2.4	581.44	0.18	697	0.9	0.16	600	B				C	C		7082416	18
2.1	678.79	0.12	526	1.1	0.14	600	B				C	C		7082414	19

 The dynamic efficiency is **0.92** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **114C** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore **114C** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

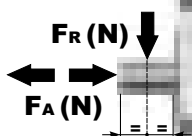
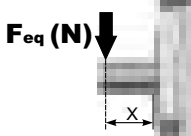
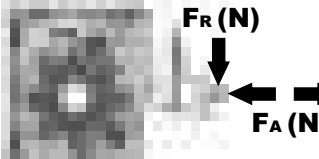
D Das Getriebe **114C** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert. In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben. In Tabelle 2 sind die zulässigen Radial- und Axialbelastungen des Getriebes aufgeführt. Die komplette Dokumentation, Wartungs- und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **114C** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio						
							
B3	B6	B7	B8	V5	V6	V8	
4.10 LT	2.70 LT	2.70 LT	2.70 LT	5.30 LT	2.35 LT	Ask	
AGIP Telium VSF 320				SHELL Omala S4 WE 320			

 For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{171}{X+131}$					
								
n_2	F_A	F_R	n_2	F_A	F_R	n_2	F_A	F_R
300	640	3200	140	860	4300	70	1080	5400
250	700	3500	120	900	4500	40	1300	6500
200	740	3700	85	1000	5000	15	1840	9200
On request reinforced bearings to increase loads. A richiesta cuscinetti rinforzati per aumentare i carichi.								
Input shaft Albero in entrata								
n_1	F_A	F_R	n_1	F_A	F_R	n_1	F_A	F_R
1400	240	1200	900	280	1400	500	310	1700

tab. 2

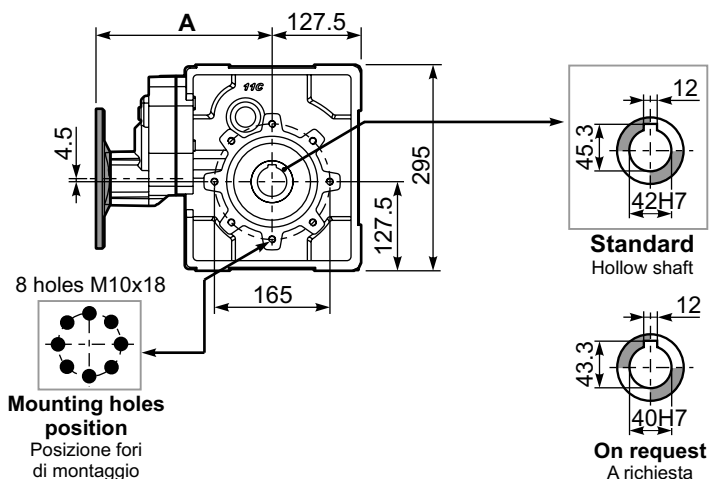
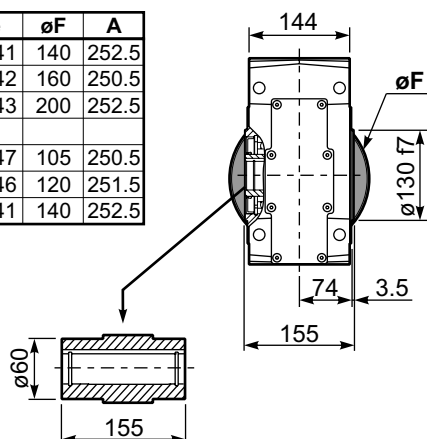
SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P114C...

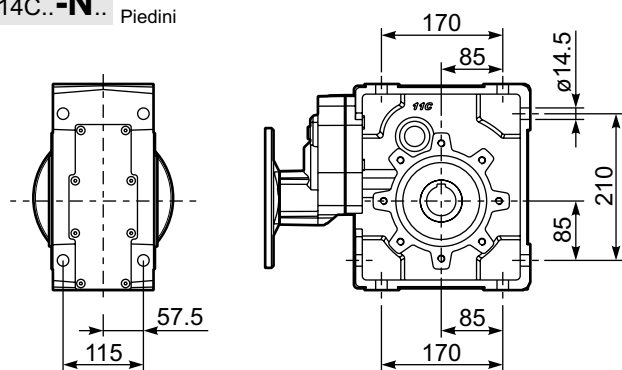
Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore

38.0 kg

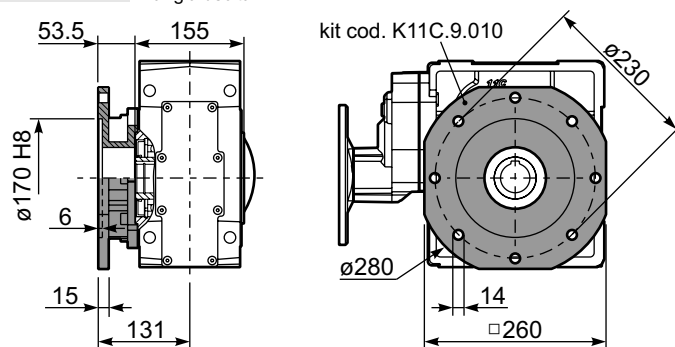
M. flanges	Kit code	øF	A
63B5	K063.4.041	140	252.5
71B5	K063.4.042	160	250.5
80/90B5	K063.4.043	200	252.5
71B14	K063.4.047	105	250.5
80B14	K063.4.046	120	251.5
90B14	K063.4.041	140	252.5



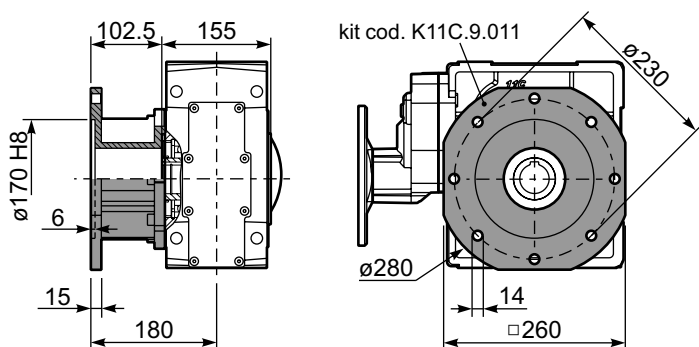
P114C..-N..

Feet
Piedini

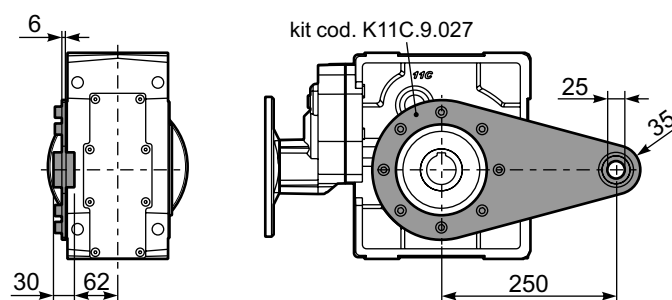
P114C-FC..

Output flange
Flangia uscita

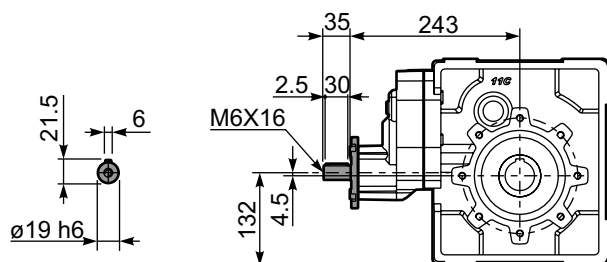
P114C-FL..

Output flange
Flangia uscita

P114CBR..

Reaction Arm
Braccio di reazione

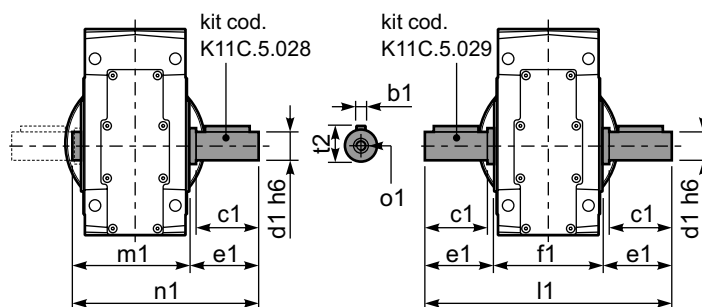
R114C...

Input shaft
Albero in entrata

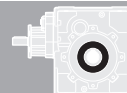
P114C..A..

Single shaft
Albero lento semplice

P114C..B..

Double shaft
Albero lento bisp.

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Standard	12	80	42	84.5	155	324	164.5	249	45	M16
-	-	-	-	-	-	-	-	-	-	-



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges					Output Shaft $\varnothing$	Ratios code
							C	D	E	F	R	T	U	V			
							71	80	90	100 112	80	90	100 112	132			
145	9.69	9	560	1.1	9.6	595	B								302418	standard ø45	01
126	11.09	9	641	1.1	9.6	680	B								302416		02
109	12.90	9	746	1.1	9.6	790	B								302414		03
77	18.26	7.5	849	1.1	7.7	900	B								202418		04
67	20.91	7.5	972	0.9	6.7	900	B								202416		05
58	24.32	5.5	835	1.1	5.8	900	B								202414		06
49.5	28.27	5.5	971	0.9	5.0	900	B								162416		07
42.6	32.88	4	826	1.1	4.3	900	B								162414		08
38.1	36.76	4	924	1.0	3.8	900	B								132416		09
32.7	42.76	3	809	1.1	3.3	900	B								132414		10
31.1	45.00	3	851	1.1	3.1	900	B								112416		11
26.8	52.33	3	990	0.9	2.7	900	B								112414		12
24.6	56.82	2.2	791	1.1	2.3	850	B								82418		13
21.5	65.07	2.2	906	1.0	2.2	900	B								82416		14
18.5	75.68	1.5	727	1.2	1.9	900	B								82414		15
15.6	89.61	1.1	628	1.1	1.2	670	B								62416		16
13.4	104.22	1.1	731	1.1	1.2	780	B								62414		17

The dynamic efficiency is **0.94** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit 133C is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore tipo 133C è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße 133C wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño 133C se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

B3	B6	B7	B8	V5	V6	V8
6.00 LT	4.30 LT	4.30 LT	3.30 LT	7.40 LT	3.10 LT	Ask

AGIP Blasias 460

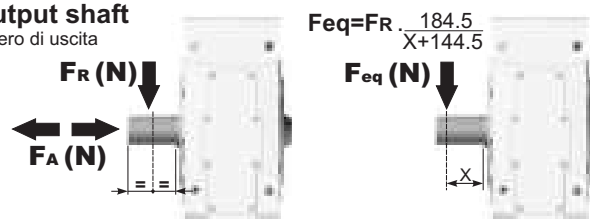
For all details on lubrication and plugs check our website
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita



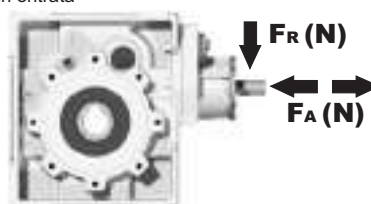
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	800	4000	140	1120	5600	70	1400	7000
250	900	4500	120	1200	6000	40	1700	8500
200	960	4800	85	1300	6500	15	2400	12000

On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

Input shaft

Albero in entrata



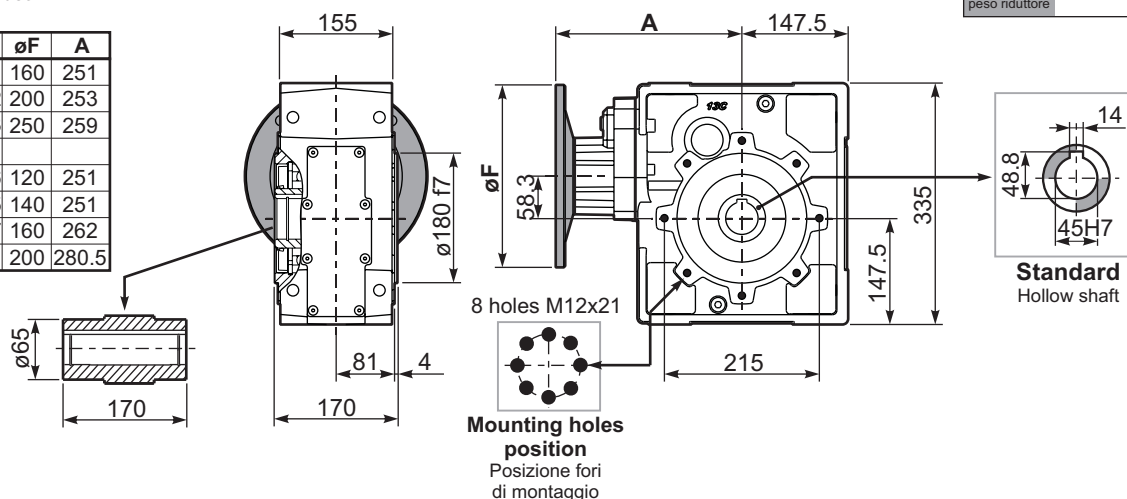
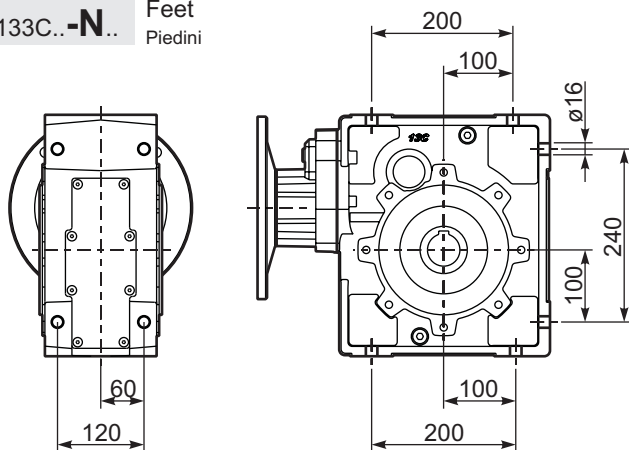
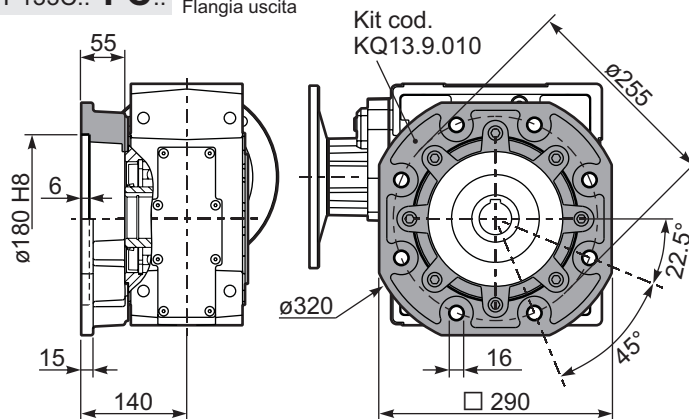
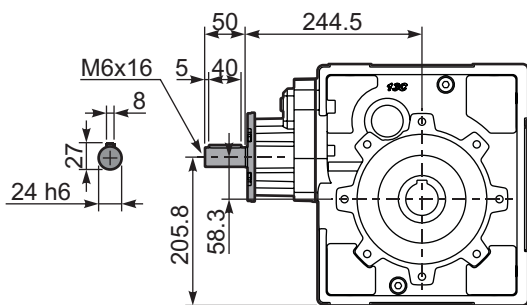
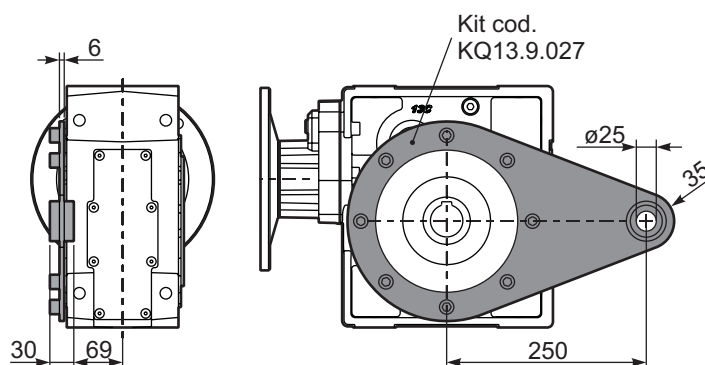
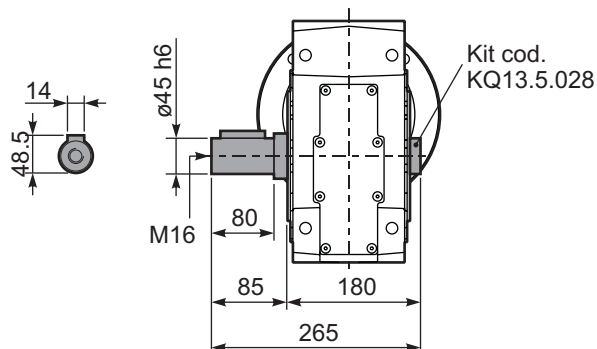
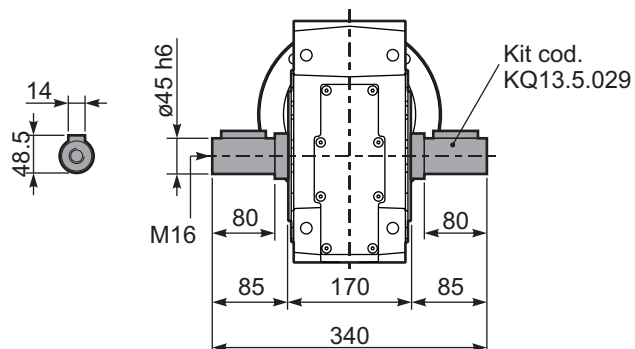
n_1	FA	FR
1400	450	2250
900	500	2500
500	600	3000

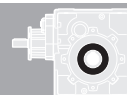
tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P133C...Basic gearbox
Riduttore baseGearbox
weight
peso riduttore**53.5 kg**

M. flanges	Kit code	øF	A
71B5	KC023.4.041	160	251
80/90B5	KC023.4.042	200	253
100/112B5	KC023.4.043	250	259
80B14	KC085.4.046	120	251
90B14	KC085.4.045	140	251
100/112B14	KC085.4.047	160	262
132B14	KC50.4.041	200	280.5

**P133C...-N..**Feet
Piedini**P133C...-FC..**Output flange
Flangia uscita**R133C...**Input Shaft
Albero in entrata**P133CBR..**Reaction arm
Braccio di reazione**P133C...A..**Single output Shaft
Albero lento semplice**P133C...B..**Double Input Shaft
Albero lento bisporgente



QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min⁻¹

Output Speed n_2 [min ⁻¹]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges				Available B14 motor flanges			Output Shaft  $\varnothing$	Ratios code 
							B	C	D	E	Q	R	T		
							63	71	80	90	71	80	90		
15.3	91.23	1.5	858	1.0	1.6	900	B				C	C		19132418	01
13.4	104.48	1.5	983	0.9	1.4	900	B				C	C		19132416	02
11.6	121.10	1.1	832	1.1	1.2	900	B				C	C		17132416	03
9.9	140.84	1.1	968	0.9	1.0	900	B				C	C		17132414	04
8.5	165.32	0.75	779	1.2	0.87	900	B				C	C		15132414	05
7.6	184.94	0.75	872	1.0	0.78	900	B				C	C		19082416	06
7.1	197.34	0.75	930	1.0	0.73	900	B				C	C		13132414	07
6.5	215.10	0.75	1014	0.9	0.67	900	B				C	C		19082414	08
6.0	231.60	0.55	805	1.1	0.62	900	B				C	C		10132416	09
5.6	249.31	0.55	867	1.0	0.58	900	B				C	C		17082414	10
5.2	269.37	0.55	937	1.0	0.53	900	B				C	C		10132414	11
4.8	292.64	0.55	1018	0.9	0.49	900	B				C	C		15082414	12
4.6	302.26	0.55	1051	0.9	0.47	900	B				C	C		9132416	13
4.0	349.30	0.37	812	1.1	0.41	900	B				C	C		13082414	14
3.5	399.12	0.37	928	1.0	0.36	900	B				C	C		7132416	15
2.9	476.80	0.25	748	1.2	0.30	900	B				C	C		10082414	16
2.2	622.28	0.25	976	0.9	0.23	900	B				C	C		9082414	17
1.7	821.70	0.18	985	0.9	0.17	900	B				C	C		7082414	18

The dynamic efficiency is **0.92** for all ratios

Motor Flanges Available
Flange Motore Disponibili

B) Supplied with Reduction Bushing
Fornito con Bussola di Riduzione

B) Available on Request without reduction bushing
Disponibile a Richiesta senza Bussola di Riduzione

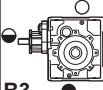
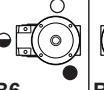
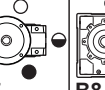
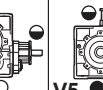
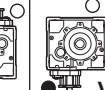
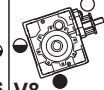
C) Motor Flange Holes Position
Posizione Fori Flangia Motore

EN Unit **134C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.
For complete documentation please visit our web site.

I Il riduttore tipo **134C** è fornito privo di lubrificazione con tappi di sfato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.
Per la documentazione completa consulta il nostro sito.

D Das Getriebe der Baugröße **134C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.
Die komplette Dokumentation, Wartungs - und Inbetriebnahmeanleitungen finden Sie unter.

E El reductor tamaño **134C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.
Para documentación completa, consultar nuestra Web.

						
B3	B6	B7	B8	V5	V6	V8
6.10 LT	4.40 LT	4.40 LT	3.40 LT	7.50 LT	3.20 LT	Ask

AGIP Blasias 460

For all details on lubrication and plugs check our website

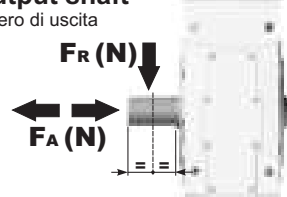
tab. 1

Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

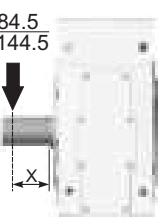
Output shaft

Albero di uscita



$$F_{eq} = FR \cdot \frac{184.5}{X + 144.5}$$

F_{eq} (N)



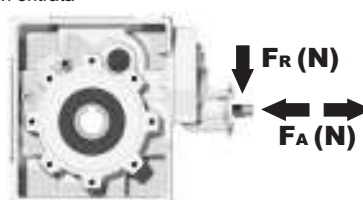
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	800	4000	140	1120	5600	70	1400	7000
250	900	4500	120	1200	6000	40	1700	8500
200	960	4800	85	1300	6500	15	2400	12000

On request reinforced bearings to increase loads.

A richiesta cuscinetti rinforzati per aumentare i carichi.

Input shaft

Albero in entrata



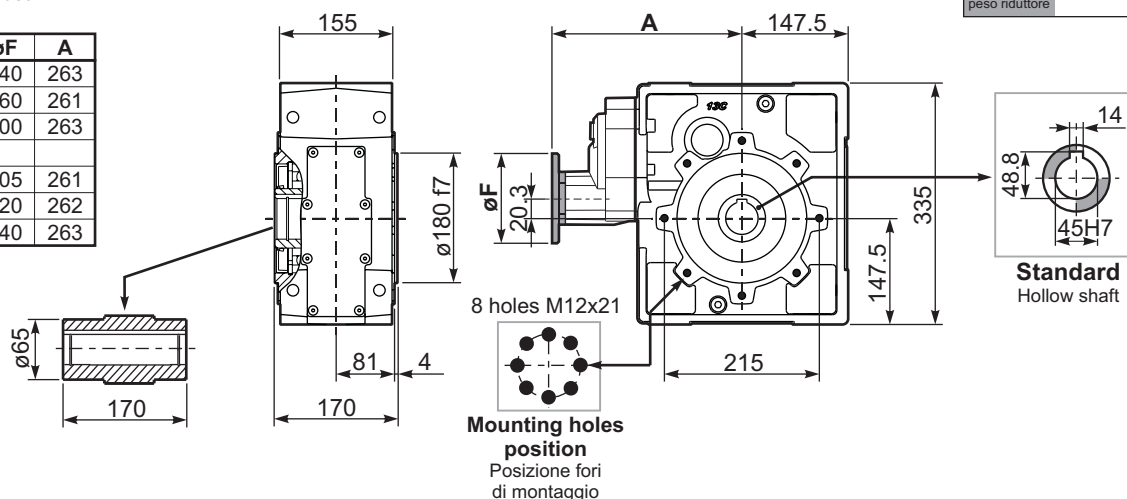
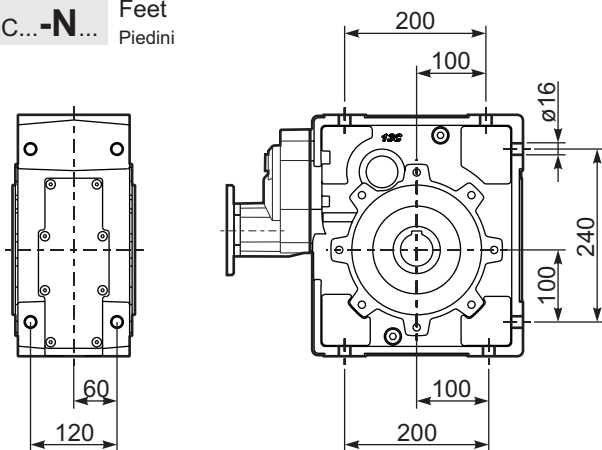
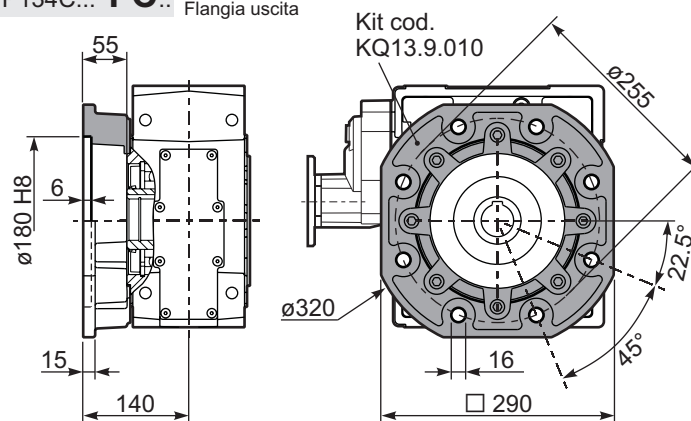
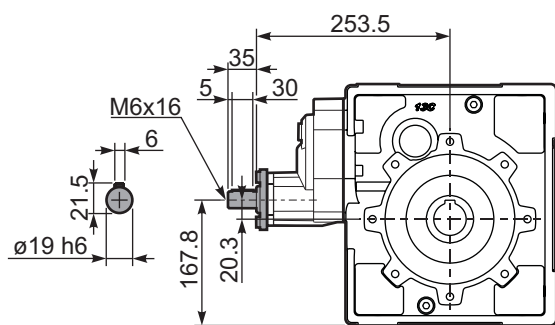
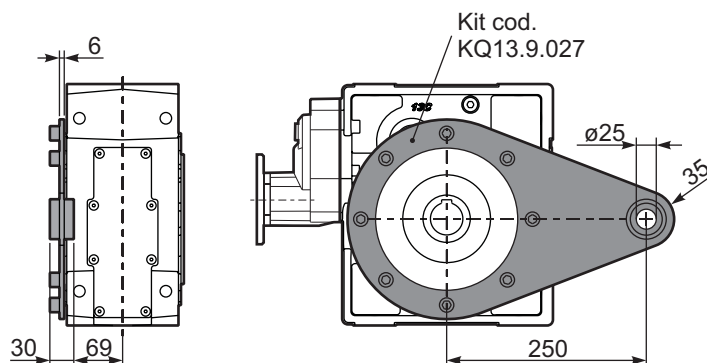
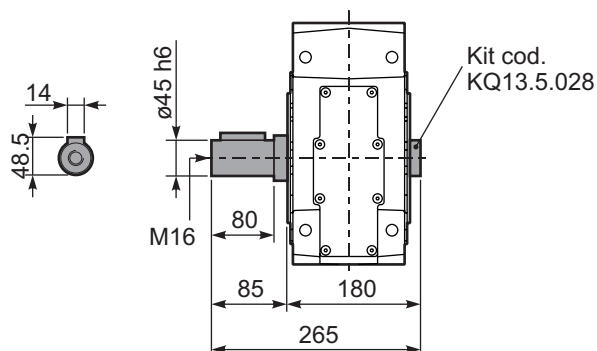
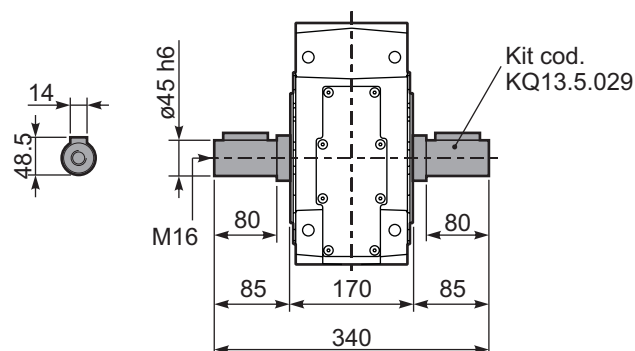
n_1	FA	FR
1400	400	2000
900	440	2200
500	440	2200

tab. 2

SELECT THIS TYPE AND THIS SPECIFIC SIZE ON THE WEB PAGES TO GET COMPLETE TECHNICAL DATA.
Selezionare tipo e gandezza specifica nel sito web per la documentazione completa.

P134C...Basic gearbox
Riduttore baseGearbox
weight
peso riduttore **53.5 kg**

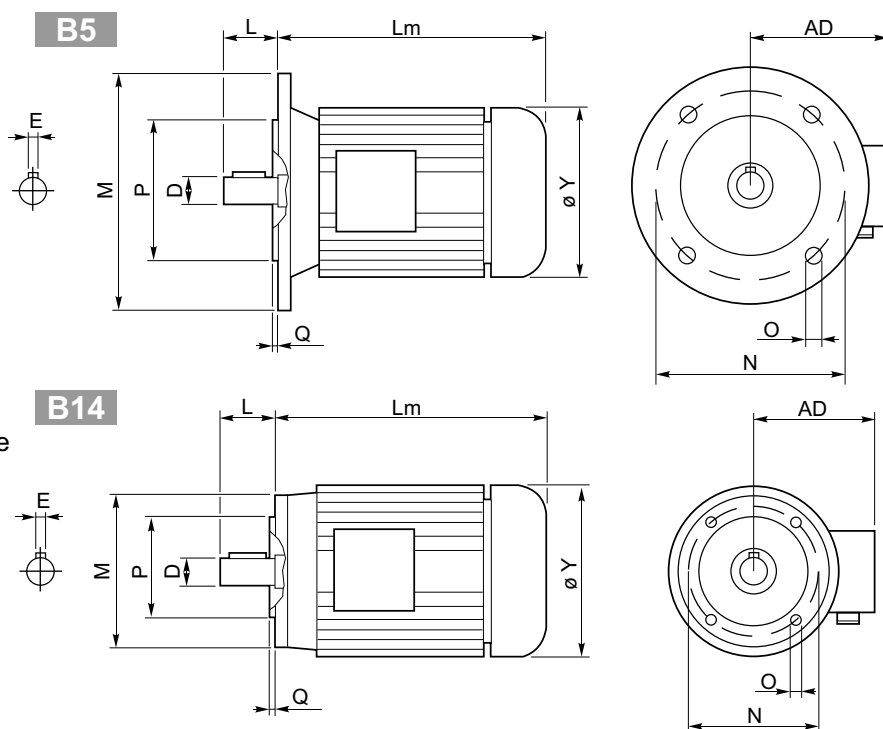
M. flanges	Kit code	øF	A
63B5	K063.4.041	140	263
71B5	K063.4.042	160	261
80/90B5	K063.4.043	200	263
71B14	K063.4.047	105	261
80B14	K063.4.046	120	262
90B14	K063.4.041	140	263

**P134C...-N...**Feet
Piedini**P134C...-FC..**Output flange
Flangia uscita**R134C...**Input Shaft
Albero in entrata**P134CBR..**Reaction arm
Braccio di reazione**P134C...A..**Single output Shaft
Albero lento semplice**P134C...B..**Double Input Shaft
Albero lento bisporgente



- 1) 230/400V - 50Hz three-phase asynchronous induction motor
- 2) Class F insulation
- 3) S1 duty
- 4) IP 55 protection
- 5) Not painted
- 6) Hard plastic sleeve to protect output shaft during the transportation

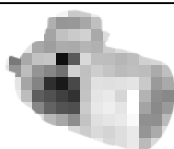
- 1) 230/400V - 50Hz motore trifase asincrono
- 2) Isolamento Classe F
- 3) S1 servizio continuo
- 4) Protezione IP 55
- 5) Non verniciato
- 6) Manicotto di protezione per l'albero motore



Outside dimensions may be different according to manufacturers.

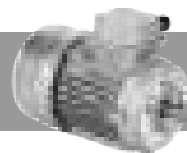
Le dimensioni esterne sono indicative, possono variare tra i vari costruttori.

	2 poli / poles			4 poli / poles			6 poli / poles			B5-B14						B5					B14					Kg
	kW	Nm	A (400V)	kW	Nm	A (400V)	kW	Nm	A (400V)	D	E	L	Lm	Y	AD	P	N	M	O	Q	P	N	M	O	Q	
56 A	0.09	0.32	0.38	0.06	0.44	0.27	—	—	—	9	3	20	179	108	96	80	100	120	7	2.5	50	65	80	M5	2.5	2.7
56 B	0.12	0.42	0.46	0.09	0.67	0.37	—	—	—																	2.9
63 A	0.18	0.63	0.60	0.12	0.84	0.50	0.09	0.99	0.57	11	4	23	185	120	99	95	115	140	9.5	3	60	75	90	M5	2.5	3.8
63 B	0.25	0.87	0.76	0.18	1.30	0.69	0.12	1.32	0.74																	4.2
71 A	0.37	1.30	1.00	0.25	1.70	0.91	0.18	1.90	0.80	14	5	30	-	130	104	110	130	160	9.5	3.5	70	85	105	M6	2.5	5.9
71 B	0.55	1.90	1.54	0.37	2.52	1.14	0.25	2.72	1.10				225	141	107											6.5
80 A	0.75	2.60	1.85	0.55	3.77	1.51	0.37	3.84	1.18	19	6	40	256	159	127	130	165	200	11.5	3.5	80	100	120	M6	3	8.5
80 B	1.1	3.90	2.64	0.75	5.11	2.57	0.55	5.84	1.80																	10
90 S	1.5	5.00	3.31	1.1	7.45	2.78	0.75	7.92	2.32	24	8	50	-	170	135	130	165	200	11.5	3.5	95	115	140	M8	3	12.5
90 L	2.2	7.50	4.46	1.5	10.2	3.61	1.1	11.6	3.45				280													15
100 LA	3.0	10.0	6.28	2.2	14.8	5.07	1.5	15.4	3.88	28	8	60	-	190	148	180	215	250	13	4	110	130	160	M8	3.5	20
100 LB	—	—	—	3.0	20.1	6.66	—	—	—																	22
112 M	4.0	13.4	8.10	4.0	26.7	8.55	2.2	22.6	5.30				321	210	164											35
132 S	5.5	18.3	11.2	5.5	36.5	11.4	3.0	30.2	7.20	38	10	80	375			230	265	300	14	4	130	165	200	M10	4	41
	7.5	24.9	15.3											244	180											51
132 M	—	—	—	7.5	49.4	15.0	4.0	40.0	9.13				420													51
				9.2	61.4	18.5																				
160 M	—	—	—	11	72	21.5	—	—	—	42	12	110	503	335	246	250	300	350	18	5	—	—	—	—	—	79.2
160 L	—	—	—	15	98	29	—	—	—				547													97.5
180 M	—	—	—	18.5	121	35.5	—	—	—	48	14	110	602	366	266	250	300	350	19	5	—	—	—	—	—	170
180 L	—	—	—	22	144	42	—	—	—																	



Metric electric motors are in aluminum.
On request they can be supplied with different
Level of protection and painted with 2 or 3
level of anticorrosive paint.

I motori metrici sono in alluminio,
su richiesta possono essere forniti
con differenti livelli di protezione e
verniciati con vernice
anticorrosiva.

**Protection**

Standard IP55
Please specify on purchase orders if you need a higher IP protection class.

Grado di protezione

IP55 Standard
Specificare in sede di ordinazione per IP superiore.

Schutzart

IP55 Standard.
Höheren IP Grad bitte im Auftrag angeben.

Grado de protección

IP55 standard.
Especificar en el pedido cuando necesiten protección IP superior.

Insulation

Standard Cl.F
To be specified upon placing the order if different insulation is required.

Isolamento

Cl.F Standard
Specificare in sede di ordinazione classe di isolamento diversa

Isolierung

Cl.F Standard.
Davon abweichende Isolierungsklas se im Auftrag angeben

Aislamiento

Cl.F standard.
Especificar al efectuar el pedido la clase diferente de aislamiento.

Insulation / Isolamento Isolierung / Aislamiento		E	B	F	H
Max. temp.	C°	120°	130°	155°	175°
	F*	248°	266°	311°	347°

Connections

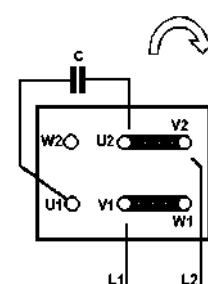
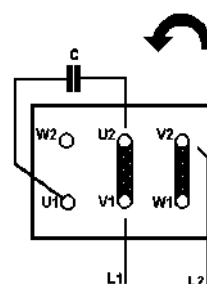
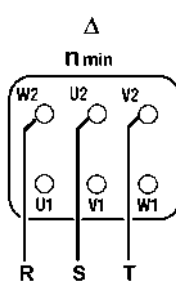
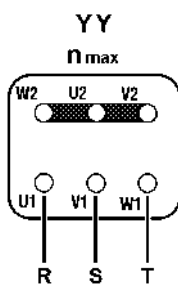
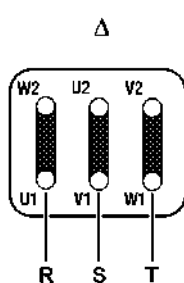
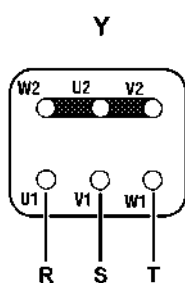
Threephase asynchronous single polarity
Asincrono trifase singola polarità
Asynchronmotor 3-ph eine Drehzahl
Asincrono trifasico de una velocidad

Collegamenti

Threephase asynchronous double polarity
Asincrono trifase doppia polarità
Asynchronmotor 3-ph doppelte Drehzahl
Asincrono trifasico de dos velocidades

Verbindungselemente**Conexiones**

Single phase asynchronous
Asincrono monofase
Einphasen-Asynchronmotor
Asincrono monofasico



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

[illegible]

[illegible]

Please Read Carefully

The following WARNING and CAUTION information is supplied to you for your protection and to provide you with many years of trouble free and safe operation of your product.

Read ALL instructions prior to operating reducer. Injury to personnel or reducer failure may be caused by improper installation, maintenance or operation.

WARNING:

- Written authorization required to operate or use reducers in man lift or people moving devices.
- Check to make sure that certain applications do not exceed the allowable load capacities published in the current catalog.
- Buyer shall be solely responsible for determining the adequacy of the product for any and all uses to which Buyer shall apply the product. The application by Buyer shall not be subject to any implied warranty of fitness for a particular purpose.
- For safety, Buyer or User should provide protective guards over all shaft extensions and any moving apparatus mounted thereon. The User is responsible for checking all applicable safety codes in his area and providing suitable guards. Failure to do so may result in bodily injury and/or damage to equipment.
- Hot oil and reducers can cause severe burns. Use extreme care when removing lubrication plugs and vents.
- Make certain that the power supply is disconnected before attempting to service or remove any components. Lock out the power supply and tag it to prevent unexpected application power.
- Reducers are not to be considered fail safe or self-locking devices. If these features are required, a properly sized, independent holding device should be utilized. Reducers should not be used as a brake.
- Any brakes that are used in conjunction with a reducer must be sized or positioned in such a way so as to not subject the reducer to loads beyond the catalog rating.
- Lifting supports including eyebolts are to be used for vertically lifting the gearbox only and not other associated attachments or motors.
- Use of an oil with an EP additive on units with backstops may prevent proper operation of the backstop. Injury to personnel, damage to the reducer or other equipment may result.
- Overhung loads subject shaft bearings and shafts to stress which may cause premature bearing failure and or shaft breakage from bending fatigue, it not sized properly.

SELLING CONDITIONS

Warranty for manufacturing defects will expire one-year the invoicing date. Hydro-Mec will replace or repair defective parts but will not accept any further changes for direct or indirect damages of any kind. The warranty will become null and void if repairs or changes are carried out without our prior written authorization.

Our company will not be responsible for any direct or indirect damages, caused by a wrong use of the products or for not observing the catalogue/web indication

Leggere attentamente

Le seguenti raccomandazioni sono fondamentali per la vostra protezione e per garantirvi molti anni di sicuro funzionamento del vostro prodotto senza alcun problema.

Leggere attentamente tutte le istruzioni prima di azionare il riduttore. L'inappropriata installazione, manutenzione o funzionamento del riduttore può causare incidenti al personale addetto e danni al riduttore stesso.

ATTENZIONE!

- E' richiesta autorizzazione scritta per azionare riduttori in ascensori o dispositivi per il movimento delle persone.
- Controllare che alcune applicazioni non eccedano la massima capacità di carico ammessa pubblicata in questo catalogo.
- L'acquirente è l'unico responsabile per la determinazione dell'adeguatezza del prodotto per qualcuna o tutte le utilizzazioni che l'acquirente stesso farà del riduttore. L'applicazione dell'acquirente non potrà essere soggetta ad alcuna implicita garanzia di montaggio per uno scopo particolare.
- Per ragioni di sicurezza l'acquirente dovrà provvedere a porre protezioni adeguate su tutta la lunghezza dell'albero a tutti gli organi in movimento. L'utilizzatore è responsabile del controllo di tutti i codici di sicurezza e la predisposizione di protezioni adeguate. In assenza di tali precauzioni si possono verificare incidenti alle persone e danni agli apparati.
- Olio e riduttori bollenti possono causare gravi ustioni. Usare estrema cautela nella rimozione dei tappi e delle ventole.
- Assicurarsi che la corrente di alimentazione sia scollegata prima di riparare o rimuovere alcun componente. Chiudere l'alimentazione e contrassegnare tale operazione per evitare accensioni accidentali.
- I riduttori non devono essere considerati esenti da guasti o a bloccaggio automatico. Se sono indispensabili queste caratteristiche, deve essere utilizzato un dispositivo indipendente della dimensione adatta. I riduttori non devono essere utilizzati come freni.
- Qualsiasi freno sia utilizzato insieme al riduttore deve essere della giusta grandezza e posizionato in modo da non causare carichi eccessivi non previsti dai dati forniti nel catalogo.
- I dispositivi di sollevamento come le golfare devono essere usati solo per sollevare verticalmente il riduttore e non altri dispositivi associati o motori.
- L'utilizzo di un olio con un additivo EP su gruppi provvisti di dispositivo di arresto possono inficiare l'uso corretto del freno e provocare danni alle persone, alle cose ed al riduttore stesso nonché ad altri apparecchi.
- I Carichi sospesi assoggettano i cuscinetti della vite e la vite stessa a sollecitazioni che possono causare, se non adeguatamente dimensionati, l'usura prematura dei cuscinetti e/o la rottura della vite a causa della resistenza alla flessione.

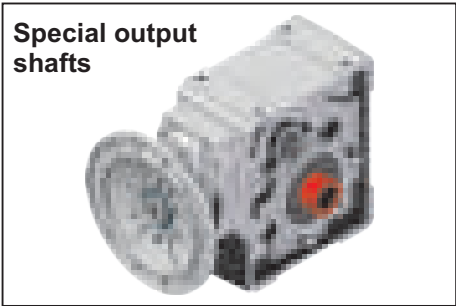
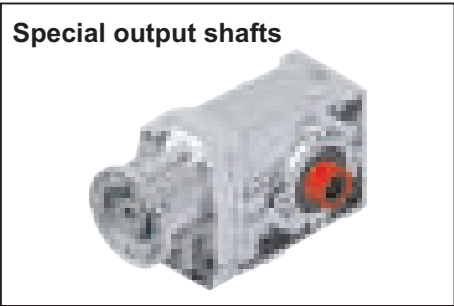
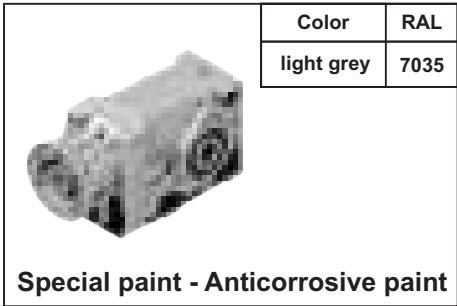
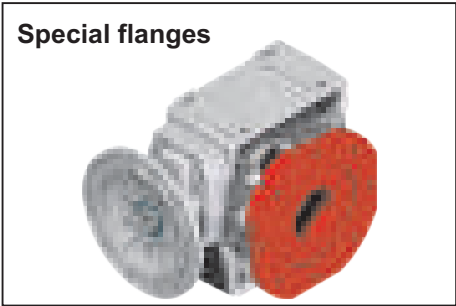
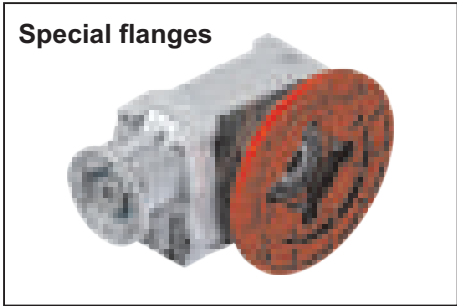
CONDIZIONI DI VENDITA

La garanzia relativa a difetti di costruzione ha la durata di un anno dalla data di fatturazione della merce. Tale garanzia comporta per Hydro-mec l'onere della sostituzione o riparazione delle parti difettose ma non ammette ulteriori addebiti per eventuali danni diretti o indiretti di qualsiasi natura.

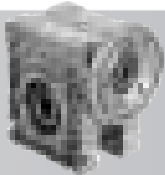
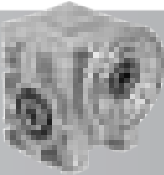
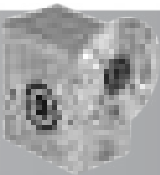
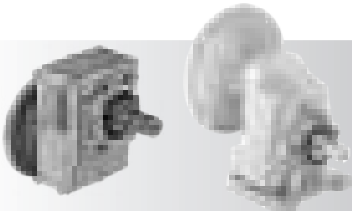
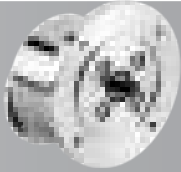
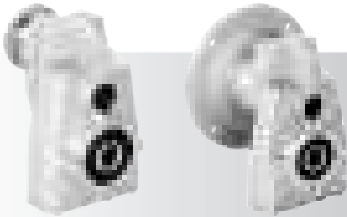
La garanzia decade nel caso in cui siano state eseguite riparazioni o apportate modifiche senza nostro consenso scritto.

La nostra ditta non si ritiene responsabile per eventuali danni diretti o indiretti derivanti da un uso improprio dei prodotti e dalla mancata osservanza delle indicazioni riportate a catalogo o web..

New options available



Others HYDRO-MEC products

 Worm gearboxes Rid. a vite senza fine	 Square worm gearboxes Rid. a vite senza fine quadro	 S series square worm gearboxes Rid. a vite senza fine quadro serie S	 Stainless steel worm gearboxes Rid. a vite senza fine Inox
 One step gearboxes Riduttori ad uno stadio	 Coaxial gearboxes Riduttori coassiali	 Stainless steel coaxial gearboxes Riduttori coassiali Inox	
 Shaft mounted gearboxes Riduttori pendolari		 Shaft mounted gearboxes Riduttori pendolari	

Distributed From:

HYDRO-MEC

Via della tecnica, 19
36050 SOVIZZO (VI) ITALY
Tel.: +39 0444 551911
Fax: +39 0444 536139
e-mail: hydromec@hydromec.com
Website: www.hydromec.com



* CT- BVM X- HM12*